

# DYRK4 Rabbit pAb

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Catalog # AP55591

## Product Information

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|-----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Application</b>                      | WB, IHC-P, IHC-F, IF                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Primary Accession</b>                | <a href="#">Q9NR20</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Reactivity</b>                       | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Host</b>                             | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Clonality</b>                        | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Calculated MW</b>                    | 59608                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Physical State</b>                   | Liquid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Immunogen</b>                        | KLH conjugated synthetic peptide derived from human DYRK4                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Epitope Specificity</b>              | 31-130/520                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Isotype</b>                          | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Purity</b>                           | affinity purified by Protein A                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Buffer</b>                           | 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>SUBCELLULAR LOCATION</b>             | Cytoplasm.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>SIMILARITY</b>                       | Belongs to the protein kinase superfamily. CMGC Ser/Thr protein kinase family. MNB/DYRK subfamily. Contains 1 protein kinase domain.                                                                                                                                                                                                                                                                                                                                                               |
| <b>Post-translational modifications</b> | Autophosphorylated on tyrosine residues.                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Important Note</b>                   | This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Background Descriptions</b>          | This gene encodes an enzyme that belongs to a conserved family of serine/threonine protein kinases. Members of this dual specificity kinase family are thought to function in the regulation of cell differentiation and proliferation, survival, and in development. Alternate splicing results in multiple transcript variants. Additional alternatively spliced transcript variants of this gene have been described, but their full-length nature is not known. [provided by RefSeq, Aug 2013] |

## Additional Information

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|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene ID</b>     | 8798                                                                                                                                                                                            |
| <b>Other Names</b> | Dual specificity tyrosine-phosphorylation-regulated kinase 4, 2.7.12.1, DYRK4                                                                                                                   |
| <b>Dilution</b>    | WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500                                                                                                                                      |
| <b>Storage</b>     | Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C. |

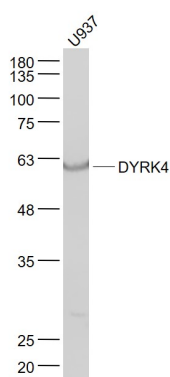
## Protein Information

|                   |                                                |
|-------------------|------------------------------------------------|
| Name              | DYRK4                                          |
| Function          | Possible non-essential role in spermiogenesis. |
| Cellular Location | [Isoform 1]: Cytoplasm                         |

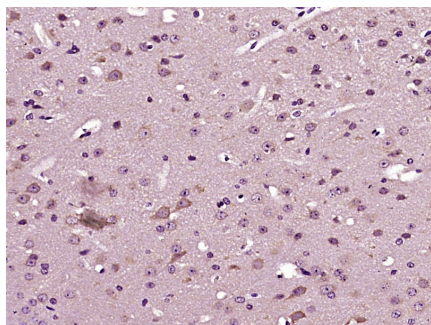
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## Images



Sample:  
U937(Human) Cell Lysate at 30 ug  
Primary: Anti- DYRK4 (AP55591) at 1/1000 dilution  
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution  
Predicted band size: 60 kD  
Observed band size: 60 kD



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (DYRK4) Polyclonal Antibody, Unconjugated (AP55591) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.