10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

# GK5 Rabbit pAb

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Catalog # AP58994

## Product Information

| | |
|---|---|
| **Application** | WB, IHC-P, IHC-F, IF |
| **Primary Accession** | Q6ZS86 |
| **Reactivity** | Rat, Mouse |
| **Predicted** | Dog, Human, Rabbit, Horse |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Calculated MW** | 59156 |
| **Physical State** | Liquid |
| **Immunogen** | KLH conjugated synthetic peptide derived from human GK5/Glycerokinase 5 |
| **Epitope Specificity** | 441-529/529 |
| **Isotype** | IgG |
| **Purity** | affinity purified by Protein A |
| **Buffer** | 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. |
| **Important Note** | This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications. |
| **Background Descriptions** | No data available. |

## Additional Information

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|---|---|
| **Gene ID** | 256356 |
| **Other Names** | Glycerol kinase 5, GK 5, Glycerokinase 5, 2.7.1.30, ATP:glycerol 3-phosphotransferase 5, GK5 (HGNC:28635) |
| **Dilution** | WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500 |
| **Storage** | 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

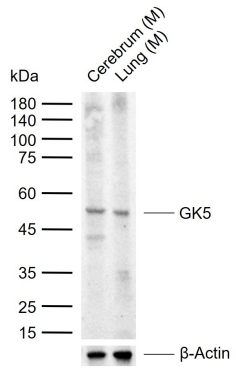
| | |
|---|---|
| **Name** | GK5 ( HGNC:28635) |
| **Function** | Skin-specific kinase that plays a key role in glycerol metabolism, catalyzing its phosphorylation to produce sn-glycerol 3- phosphate. Involved in skin-specific regulation of sterol regulatory element-binding protein (SREBP) processing and lipid biosynthesis. |

**Cellular Location** Cytoplasm {ECO:0000250|UniProtKB:Q8BX05}.

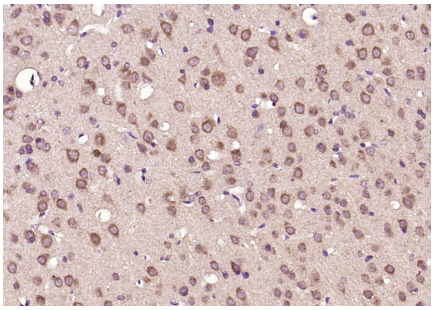
## Background

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## Images




Sample:
Lane 1: Mouse Cerebrum tissue lysates
Lane 2: Mouse Lung tissue lysates
Primary: Anti-GK5 (AP58994) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 59 kDa
Observed band size: 53 kDa



Paraformaldehyde-fixed, paraffin embedded (rat 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 (GK5) Polyclonal Antibody, Unconjugated (AP58994) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.

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