

# Anti-FOXR1 Antibody

Catalog # AP51211

## Product Information

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|                   |                        |
|-------------------|------------------------|
| Application       | WB, IHC                |
| Primary Accession | <a href="#">Q6PIV2</a> |
| Reactivity        | Human, Mouse, Rat      |
| Host              | Rabbit                 |
| Clonality         | Polyclonal             |
| Calculated MW     | 33310                  |

## Additional Information

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|--------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| Gene ID            | 283150                                                                                                                               |
| Other Names        | FOXN5; Forkhead box protein R1; Forkhead box protein N5                                                                              |
| Target/Specificity | KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human FOXR1. The exact sequence is proprietary. |
| Dilution           | WB~~WB (1/500 - 1/1000) IHC~~1:100~500                                                                                               |
| Format             | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.                            |
| Storage            | Store at -20 °C.Stable for 12 months from date of receipt                                                                            |

## Protein Information

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| Name              | FOXR1                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Synonyms          | FOXN5                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Function          | Transcription factor which acts as both an activator and a repressor (PubMed: <a href="#">34723967</a> ). Activates transcription of a number of genes including the heat shock chaperones HSPA1A and HSPA6 and the antioxidant NADPH-dependent reductase DHRS2 which are involved in protection against oxidative stress (PubMed: <a href="#">34723967</a> ). Required for normal brain development (By similarity). |
| Cellular Location | Nucleus. Cytoplasm. Cytoplasm, perinuclear region. Note=Localizes to the nucleus and cytoplasm with higher levels in the nucleus where it is expressed in a diffuse manner (PubMed: <a href="#">34723967</a> ). Located in the cytoplasm of spermatocytes and strongly accumulates at the perinuclear region in elongated spermatids (PubMed: <a href="#">25609838</a> )                                              |
| Tissue Location   | Expressed in testis (at protein level).                                                                                                                                                                                                                                                                                                                                                                               |

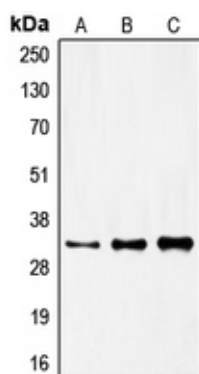
## References

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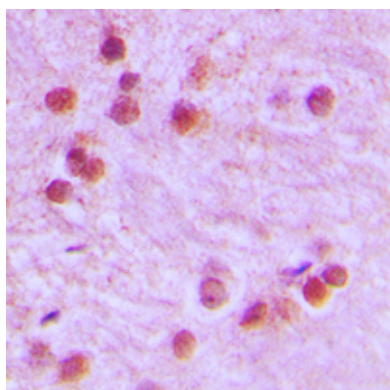
Kubo T.,et al.Submitted (OCT-2002) to the EMBL/GenBank/DDBJ databases.

## Images

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Western blot analysis of FOXR1 expression in HeLa (A), mouse kidney (B), rat kidney (C) whole cell lysates. (Predicted band size: 33 kD; Observed band size: 33 kD)



Immunohistochemical analysis of FOXR1 staining in human brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

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