

Anti-FOXB1/2 Antibody

Catalog # AP54065

Product Information

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|-------------------|------------------------|
| Application | WB |
| Primary Accession | Q99853 |
| Other Accession | Q5VYV0 |
| Reactivity | Human, Mouse, Rat |
| Host | Rabbit |
| Clonality | Polyclonal |
| Calculated MW | 34978 |

Additional Information

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|--------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| Gene ID | 27023 |
| Other Names | FOXB1; FKH5; Forkhead box protein B1; Transcription factor FKH-5; FOXB2; Forkhead box protein B2 |
| Target/Specificity | KLH-conjugated synthetic peptide encompassing a sequence within the center region of human FOXB1/2. The exact sequence is proprietary. |
| Dilution | WB~~1/500 - 1/1000 |
| Format | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide. |
| Storage | Store at -20 °C.Stable for 12 months from date of receipt |

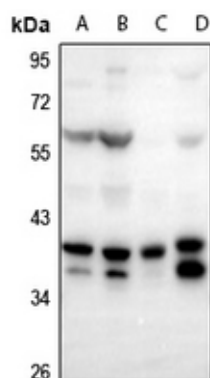
Protein Information

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|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Name | FOXB1 |
| Synonyms | FKH5 |
| Function | Transcription factor expressed by neural progenitor cells in specific regions of the embryonic neuroepithelium. Essential for the mammillary nuclei maintenance. Negatively regulates the proliferation of oligodendrocyte progenitors and promotes oligodendrocyte maturation. Also expressed in mammary glands, plays a role in lactation, controls development of mammary glands and the inferior colliculi of the midbrain in the central nervous system that regulates the milk-ejection reflex. |
| Cellular Location | Nucleus {ECO:0000250 UniProtKB:Q64732}. |

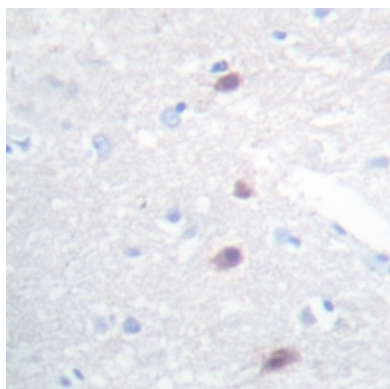
Background

Rabbit polyclonal antibody to FOXB1/2

Images



Western blot analysis of FOXB1/2 expression in SG7901 (A), Myla2059 (B), mouse embryo (C), rat testis (D) whole cell lysates.



Immunohistochemical analysis of FOXB1/2 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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