

# SOX10 Rabbit mAb

Catalog # AP74928

## Product Information

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|--------------------------|------------------------|
| <b>Application</b>       | WB, FC                 |
| <b>Primary Accession</b> | <a href="#">P56693</a> |
| <b>Reactivity</b>        | Rat, Human, Mouse      |
| <b>Host</b>              | Rabbit                 |
| <b>Clonality</b>         | Monoclonal Antibody    |
| <b>Isotype</b>           | IgG                    |
| <b>Conjugate</b>         | Unconjugated           |
| <b>Purification</b>      | Affinity Purified      |
| <b>Calculated MW</b>     | 49911                  |

## Additional Information

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|--------------------|---|
| <b>Gene ID</b>     | 6663  |
| <b>Other Names</b> | SOX10   |
| <b>Dilution</b>    | WB~~1:1000-1:5000 FC~~1:100-1:200   |
| <b>Format</b>      | Liquid in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA. |
| <b>Storage</b>     | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.        |

## Protein Information

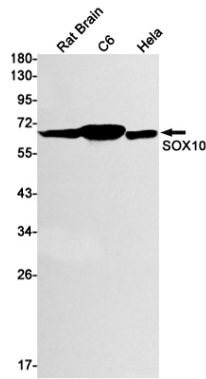
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|--------------------------|---|
| <b>Name</b>              | SOX10   |
| <b>Function</b>          | Transcription factor that plays a central role in developing and mature glia (By similarity). Specifically activates expression of myelin genes, during oligodendrocyte (OL) maturation, such as DUSP15 and MYRF, thereby playing a central role in oligodendrocyte maturation and CNS myelination (By similarity). Once induced, MYRF cooperates with SOX10 to implement the myelination program (By similarity). Transcriptional activator of MITF, acting synergistically with PAX3 (PubMed: <a href="#">21965087</a> ). Transcriptional activator of MBP, via binding to the gene promoter (By similarity). |
| <b>Cellular Location</b> | Cytoplasm. Nucleus. Mitochondrion outer membrane {ECO:0000250 UniProtKB:Q04888}; Peripheral membrane protein {ECO:0000250 UniProtKB:Q04888}; Cytoplasmic side {ECO:0000250 UniProtKB:Q04888}  |
| <b>Tissue Location</b>   | Expressed in fetal brain and in adult brain, heart, small intestine and colon   |

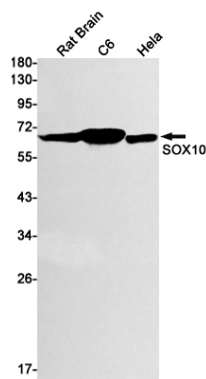
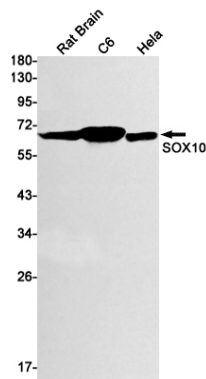
## Background

Sox10 is a member of the SOX (SRY-related HMG-box) family of transcription factors involved in the regulation of embryonic development and the determination of cell fate. Sox10 is an important regulator of neural crest and peripheral nervous system development.

## Images



Western blot analysis of SOX10 in rat Brain, C6, HeLa lysates using SOX10 antibody.



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