

SOX10 Antibody

Rabbit mAb Catalog # AP90829

Specification

SOX10 Antibody - Product Information

IHC Application **Primary Accession** P56693 Clonality **Monoclonal**

Other Names

SOX10; DOM; Transcription factor SOX-10; WS4; PCWH; WS2E; SRY-related HMG-box gene 10;

WS4C;

Isotype Rabbit IgG Host **Rabbit** 49911 Da Calculated MW

SOX10 Antibody - Additional Information

Dilution IHC~~1:100~500

Purification **Affinity-chromatography**

Immunogen A synthesized peptide derived from human

SOX10

SOX10 is a member of the SOX Description

(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. Rabbit IgG in phosphate buffered saline,

Storage Condition and Buffer pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short

term. Store at -20°C long term. Avoid

freeze / thaw cycle.

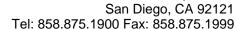
SOX10 Antibody - Protein Information

Name SOX10

Function

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: 21965087). Transcriptional activator of MBP, via binding to the gene promoter (By similarity).







Cellular Location

Cytoplasm. Nucleus. Mitochondrion outer membrane {ECO:0000250|UniProtKB:Q04888}; Peripheral membrane protein {ECO:0000250|UniProtKB:Q04888}; Cytoplasmic side {ECO:0000250|UniProtKB:Q04888}

Tissue Location

Expressed in fetal brain and in adult brain, heart, small intestine and colon

SOX10 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- <u>Immunofluorescence</u>
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

SOX10 Antibody - Images