

SOX10 Antibody

Rabbit mAb Catalog # AP90826

Specification

SOX10 Antibody - Product Information

Application WB, FC, ICC
Primary Accession P56693
Reactivity Rat
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
Calculated MW 49911 Da

SOX10 Antibody - Additional Information

Dilution WB~~1:1000

FC~~1:10~50 ICC~~N/A

Purification Affinity-chromatography

Immunogen A synthesized peptide derived from human

SOX10

Description 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.

Storage Condition and Buffer Rabbit IgG in phosphate buffered saline ,

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

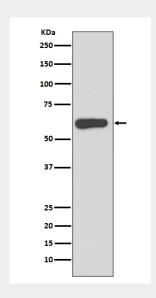
Expressed in fetal brain and in adult brain, heart, small intestine and colon

SOX10 Antibody - Protocols

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

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

SOX10 Antibody - Images



Western blot analysis of SOX10 expression in A375 cell lysate.