

SOX10 Antibody

Rabbit mAb Catalog # AP90829

Product Information

ApplicationIHCPrimary AccessionP56693ReactivityHumanClonalityMonoclonal

Other Names SOX10; DOM; Transcription factor SOX-10; WS4; PCWH; WS2E; SRY-related

HMG-box gene 10; WS4C;

IsotypeRabbit IgGHostRabbitCalculated MW49911

Additional Information

Dilution IHC 1:50~1:200

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.

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}

Images

Image not found : 202311/AP90829-IHC.jpg Immunohistochemical analysis of paraffin-embedded human breast, using SOX10 Antibody.

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