

SOX10 Antibody (clone 1E6)
Mouse Monoclonal Antibody
Catalog # ALS14274**Specification**

SOX10 Antibody (clone 1E6) - Product Information

Application	IHC
Primary Accession	P56693
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Calculated MW	50kDa KDa

SOX10 Antibody (clone 1E6) - Additional Information**Gene ID** 6663**Other Names**

Transcription factor SOX-10, SOX10

Target/Specificity

Human SOX10

Reconstitution & Storage

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions

SOX10 Antibody (clone 1E6) is for research use only and not for use in diagnostic or therapeutic procedures.

SOX10 Antibody (clone 1E6) - 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:<[a href="http://www.uniprot.org/citations/21965087"](http://www.uniprot.org/citations/21965087) target="_blank">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}

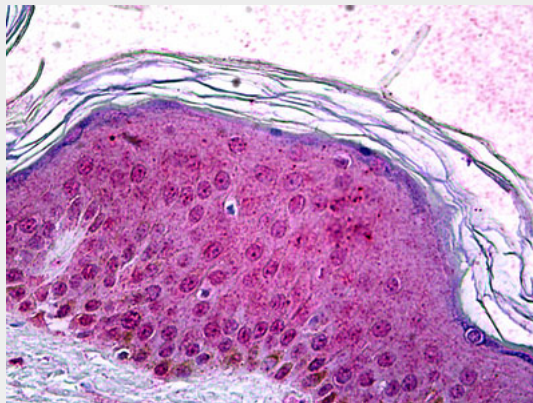
Tissue Location

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

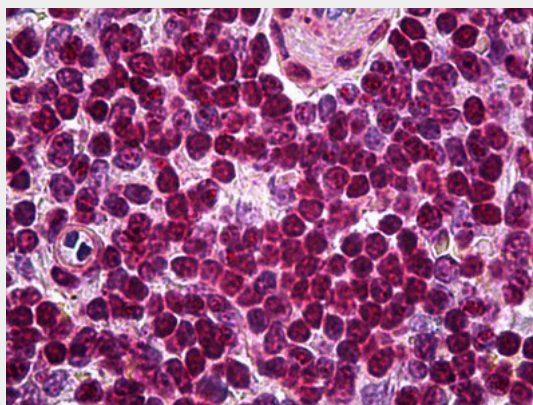
SOX10 Antibody (clone 1E6) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

SOX10 Antibody (clone 1E6) - Images

Anti-SOX10 antibody IHC of human skin.



Anti-SOX10 antibody IHC of human spleen.

SOX10 Antibody (clone 1E6) - Background

Transcription factor that seems to function synergistically with the POU domain protein TST-1/OCT6/SCIP. Could confer cell specificity to the function of other transcription factors in developing and mature glia (By similarity).

SOX10 Antibody (clone 1E6) - References

Pingault V.,et al.Nat. Genet. 18:171-173(1998).
Pusch C.,et al.Hum. Genet. 103:115-123(1998).
Collins J.E.,et al.Genome Biol. 5:R84.1-R84.11(2004).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Ebert L.,et al.Submitted (JUN-2004) to the EMBL/GenBank/DDBJ databases.