

SOX10 Antibody (internal region)
Peptide-affinity purified goat antibody
Catalog # AF2825a

Specification

SOX10 Antibody (internal region) - Product Information

Application	WB
Primary Accession	P56693
Other Accession	NP_008872.1 , 6663
Reactivity	Human
Predicted	Mouse, Rat, Pig, Dog
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	49911

SOX10 Antibody (internal region) - Additional Information

Gene ID 6663

Other Names

Transcription factor SOX-10, SOX10

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

SOX10 Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

SOX10 Antibody (internal region) - 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: <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 (internal region) - 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 (internal region) - Images



AF2825a (0.1 µg/ml) staining of Human Cerebellum lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

SOX10 Antibody (internal region) - References

Control of myelination in Schwann cells: a Krox20 cis-regulatory element integrates Oct6, Brn2 and Sox10 activities. Ghislain J, Charnay P. EMBO Rep. 2006 Jan;7(1):52-8. PMID: 16311519