

Anti-SOX10 Rabbit Monoclonal Antibody

Catalog # ABO13687

Product Information

Application	IHC
Primary Accession	P56693
Host	Rabbit
Isotype	Rabbit IgG
Reactivity	Human
Clonality	Monoclonal
Format	Liquid
Description	Anti-SOX10 Rabbit Monoclonal Antibody . Tested in IHC application. This antibody reacts with Human.

Additional Information

Gene ID	6663
Other Names	Transcription factor SOX-10, SOX10
Calculated MW	49911
Application Details	IHC 1:50-1:200
Subcellular Localization	Cytoplasm. Nucleus.
Tissue Specificity	Expressed in fetal brain and in adult brain, heart, small intestine and colon.
Source	Eukaryota
Contents	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Clone Names	Clone: GIE-19
Immunogen	A synthesized peptide derived from human SOX10
Purification	Affinity-chromatography
Storage	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

Protein Information

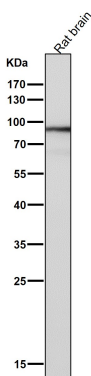
Name	SOX10
Function	Transcription factor that plays a central role in developing and mature glia (By similarity). Specifically activates expression of myelin genes, during

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 MTF, acting synergistically with PAX3 (PubMed:[21965087](#)). Transcriptional activator of MBP, via binding to the gene promoter (By similarity).

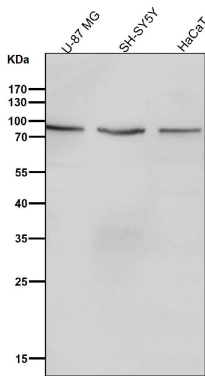
Cellular Location Cytoplasm. Nucleus. Mitochondrion outer membrane {ECO:0000250|UniProtKB:Q04888}; Peripheral membrane protein {ECO:0000250|UniProtKB:Q04888}; Cytoplasmic side {ECO:0000250|UniProtKB:Q04888}

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

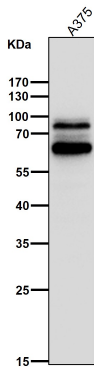
Images



All lanes use the Antibody at 1:1K dilution for 1 hour at room temperature.

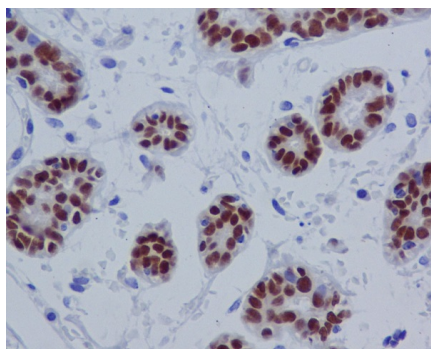
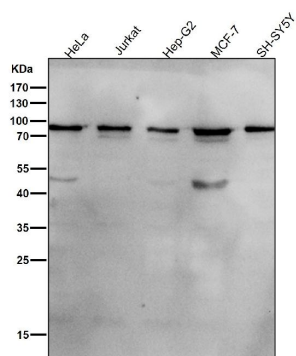


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Immunohistochemical analysis of paraffin-embedded human breast, using SOX10 Antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.