

KD-Validated Anti-SRY-Box Transcription Factor 10 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

Catalog # AGI1096

Product Information

Application	WB, FC
Primary Accession	P56693
Reactivity	Human, Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Names	25GB580
Calculated MW	49911
Gene Name	SOX10
Aliases	SOX10; SRY-Box Transcription Factor 10; SOX-10; WS2E; DOM; WS4; Dominant Megacolon, Mouse, Human Homolog Of; SRY (Sex Determining Region Y)-Box 10; Transcription Factor SOX-10; SRY-Box 10; SRY-Related HMG-Box Gene 10; PCWH; WS4C
Immunogen	A synthesized peptide derived from human SOX10

Additional Information

Gene ID	6663
Other Names	Transcription factor SOX-10, SOX10

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

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