

**DATASHEET**

**SOX10 Rabbit Monoclonal Antibody(C751)**

CAT. NO. AMA00363

**KEY FEATURES**

Target	SOX10	Source / Host	Rabbit
Reactivity	Human	Clonality	Monoclonal
Applications	IHC	Conjugation	Unconjugated
Form / Buffer	Liquid in PBS, pH 7.4, containing 50% glycerol, 0.05% BSA and 0.01% sodium azide.	Storage	at-20°C

**BACKGROUND**

Transcription factor that plays a central role in developing and mature glia . 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 . Once induced, MYRF cooperates with SOX10 to implement the myelination program . Transcriptional activator of MITF, acting synergistically with PAX3 maturation, such as DUSP15 and MYRF, thereby playing a central role in oligodendrocyte maturation and CNS myelination . Once induced, MYRF cooperates with SOX10 to implement the myelination program . Transcriptional activator of MITF, acting synergistically with PAX3 . Transcriptional activator of MBP, via binding to the gene promoter .

**APPLICATION**

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

IHC	1:100 - 1:500
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\*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

**PRODUCT OVERVIEW**

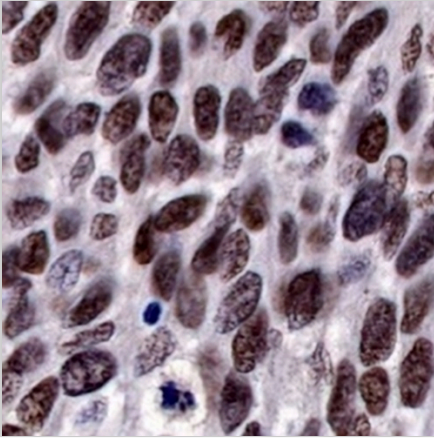
Description	Recombinant rabbit monoclonal antibody to SOX10
Specificity	Recognizes endogenous levels of SOX10 protein
Antibody Type	Primary antibody, Recombinant
Immunogen	Recombinant fusion protein of human SOX10. The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Form/Buffer	Liquid in PBS, pH 7.4, containing 50% glycerol, 0.05% BSA and 0.01% sodium azide.
Alternative Names	Transcription factor SOX-10
Gene Symbol	SOX10
Entrez Gene	6663(Human)
SwissProt	P56693(Human)

\*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact [info@arexbio.com](mailto:info@arexbio.com) or your local distributor.

\*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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**DATA**

Immunohistochemical analysis of SOX10 staining in human melanoma formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

**STORAGE**

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

**NOTE**

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.