Recombinant SOX10 (Melanoma Marker) Antibody

Mouse Monoclonal Antibody [Clone rSOX10/17203]

Catalog No	Format	Size
6663-MSM27-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
6663-MSM27-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
6663-MSM27-P1ABX	Purified Ab WITHOUT BSA or Azide at 1.0mg/ml	100 ug

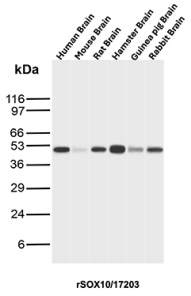
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

Clone	rSOX10/17203
Immunogen	Recombinant fragment (around aa 115-269) of human SOX10 protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2b / Kappa
Mol. Weight of Antigen	49.91kDa
Cellular Localization	Cytoplasm, Mitochondrion outer membrane, Nucleus
Species Reactivity	Human
Positive Control	Expressed in fetal brain and in adult brain, heart, small intestine and colon

**Optimal dilution for a specific application should be determined.*

Product Images for Recombinant SOX10 (Melanoma Marker) Antibody



Western blot analysis of brain tissue lysates from human, guinea pig, rat, mouse, hamster and rabbit using SOX10 Recombinant Mouse Monoclonal Antibody (rSOX10/17203).

Specificity & Comments

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).

Supplied As

200ug/ml of Ab produced in a mammalian-based expression system. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.