

For Research Use Only

SOX10 Monoclonal antibody

Catalog Number: 66786-1-Ig **12 Publications**



Basic Information

Catalog Number: 66786-1-Ig	GenBank Accession Number: BC002824	Purification Method: Protein A purification
Size: 150ul , Concentration: 2000 ug/ml by Nanodrop;	GeneID (NCBI): 6663	CloneNo.: 1D2C8
Source: Mouse	UNIPROT ID: P56693	Recommended Dilutions: WB 1:1000-1:6000 IHC 1:300-1:1200 IF-P 1:200-1:800
Isotype: IgG2a	Full Name: SRY (sex determining region Y)-box 10	
Immunogen Catalog Number: AG23191	Calculated MW: 50 kDa	
	Observed MW: 55-60 kDa	

Applications

Tested Applications: WB, IHC, IF-P, FC (Intra), ELISA	Positive Controls: WB : A375 cells, IHC : human malignant melanoma tissue, mouse brain tissue, rat cerebellum tissue IF-P : rat brain tissue, mouse brain tissue
Cited Applications: WB, IHC, IF	
Species Specificity: human, mouse, rat	
Cited Species: human, mouse, rat, rabbit, chicken	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

Sox10 is a transcription factor that has a crucial role in complex signalling pathways regulating central nervous system and neural crest development. The calculated molecular weight of SOX10 is 50 kDa, but modified SOX10 is about 55-60 kDa. (PMID: 23799842)

Notable Publications

Author	Pubmed ID	Journal	Application
Subrajaa Manohar	33192560	Front Physiol	IF
Sonia Taïb	35019839	ELife	IF
Kate S Heffernan	35202614	J Neurosci Methods	IF

Storage

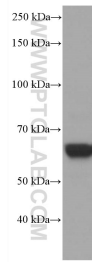
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

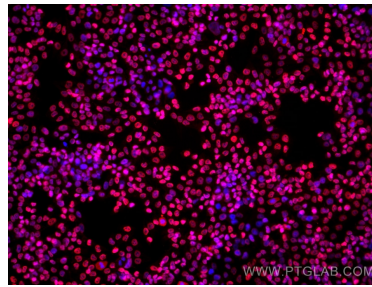
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

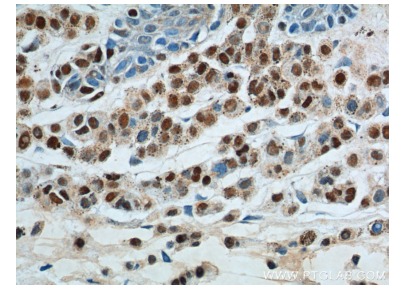
Selected Validation Data



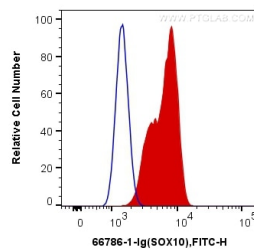
A375 cells were subjected to SDS PAGE followed by western blot with 66786-1-Ig (SOX10 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



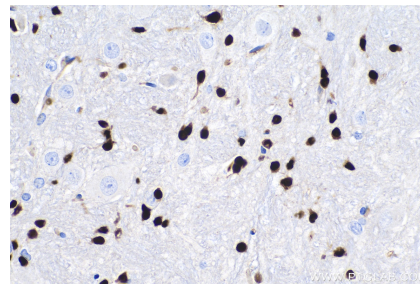
Immunofluorescent analysis of (4% PFA) fixed A375 cells using SOX10 antibody (66786-1-Ig, Clone: 1D2C8) at dilution of 1:2000 and Multi-rAb Coralite® Plus 594-Goat Anti-Mouse Recombinant Secondary Antibody (H+L) (Cat.NO. RGAM004).



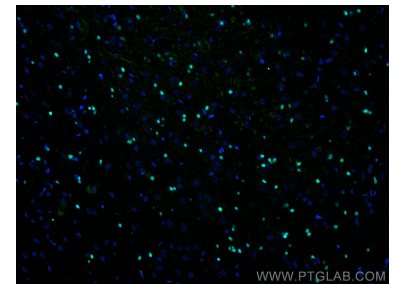
Immunohistochemical analysis of paraffin-embedded human malignant melanoma tissue slide using 66786-1-Ig (SOX10 antibody) at dilution of 1:300 (under 40x lens).



1×10^6 C6 cells were intracellularly stained with 0.4 ug Anti-Human SOX10 (66786-1-Ig, Clone: 1D2C8) and Coralite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Mouse IgG2a Isotype Control (66360-2-Ig, Clone: K11A1B2A2) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).



Immunohistochemical analysis of paraffin-embedded rat cerebellum tissue slide using 66786-1-Ig (SOX10 antibody) at dilution of 1:8000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed rat brain tissue using SOX10 antibody (66786-1-Ig, Clone: 1D2C8) at dilution of 1:400 and Coralite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).