

For Research Use Only

SOX10 Recombinant monoclonal antibody, PBS Only (Capture)

Catalog Number: 87051-3-PBS



Basic Information

Catalog Number:	GenBank Accession Number:	Purification Method:
87051-3-PBS	BC002824	Protein A purification
Source:	GeneID (NCBI):	CloneNo.:
Rabbit	6663	252024E10
Isotype:	UNIPROT ID:	
IgG	P56693	
Immunogen Catalog Number:	Full Name:	
AG38090	SRV (sex determining region Y)-box 10	
	Calculated MW:	
	50 kDa	
	Observed MW:	
	50-65 kDa	

Applications

Tested Applications:
WB, IF/ICC, Sandwich ELISA, Indirect ELISA

Species Specificity:
human, rat

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 55-65 kDa. (PMID: 23799842, 39982575)

Storage

Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS only, pH7.3

For technical support and original validation data for this product please contact:

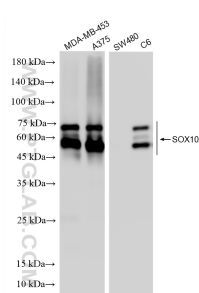
T: 4006900926

E: Proteintech-CN@ptglab.com

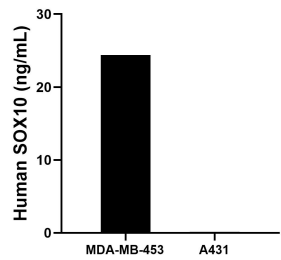
W: ptgcn.com

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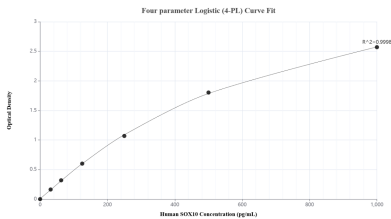
Selected Validation Data



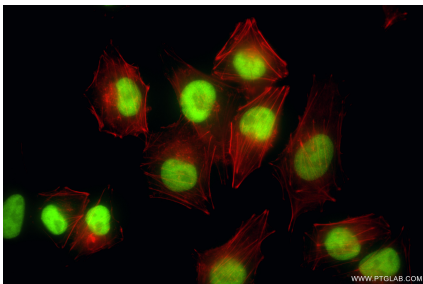
Various lysates were subjected to SDS PAGE followed by western blot with 87051-3-RR (SOX10 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 87051-3-PBS in a different storage buffer formulation.



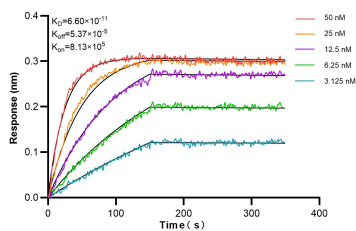
The mean SOX10 concentration was determined to be 24.4 ng/mL in MDA-MB-453 cell extract based on a 1.5 mg/mL extract load and 0.2 ng/mL in A431 cell extract based on a 1.2 mg/mL extract load.



Sandwich ELISA standard curve of MP02850-2, Human SOX10 Recombinant Matched Antibody Pair - PBS only. 87051-3-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Ag38090. 87051-4-PBS was HRP conjugated as the detection antibody. Range: 31.3-1000 pg/mL.



Immunofluorescent analysis of (4% PFA) fixed A375 cells using SOX10 antibody (87051-3-RR, Clone: 252024E10) at dilution of 1:1000 and CoraLite@488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red). This data was developed using the same antibody clone with 87051-3-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 87051-3-RR against Human SOX10 were performed. The affinity constant is 66.0 pM.