

For Research Use Only

SOX14 Polyclonal antibody, PBS Only

Catalog Number:30613-1-PBS



Basic Information

Catalog Number: 30613-1-PBS	GenBank Accession Number: BC106730	Purification Method: Antigen affinity purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 8403	
Source: Rabbit	UNIPROT ID: O95416	
Isotype: IgG	Full Name: SRY (sex determining region Y)-box 14	
Immunogen Catalog Number: AG31127	Calculated MW: 240 aa, 26 kDa	
	Observed MW: 26 kDa	

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human, mouse

Background Information

SOX14, also known as SOX28, is a member of the SOX (SRY-related HMG-box) family of transcription factors. This intronless gene encodes a protein that acts as a transcriptional regulator after forming complexes with other proteins. It is involved in embryonic development and cell fate determination. SOX14 is primarily expressed in the nervous system, where it plays a role in neuronal differentiation and circuit formation. Mutations in SOX14 are suggested to be responsible for limb defects associated with conditions such as blepharophimosis, ptosis, epicanthus inversus syndrome (BPES), and Moebius syndrome. Additionally, SOX14 has been implicated in tumor development, with studies indicating its involvement in cervical cancer through mechanisms such as the p53 and Wnt/ β -catenin pathways. (PMID: 34098886, PMID: 34181293)

Storage

Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

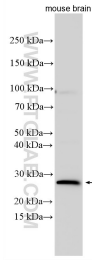
For technical support and original validation data for this product please contact:

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Selected Validation Data



Mouse brain tissue were subjected to SDS PAGE followed by western blot with 30613-1-AP (SOX14 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 30613-1-PBS in a different storage buffer formulation.