

For Research Use Only

# SOX14 Polyclonal antibody

Catalog Number:30613-1-AP



## Basic Information

<b>Catalog Number:</b> 30613-1-AP	<b>GenBank Accession Number:</b> BC106730	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 1400 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 8403	<b>Recommended Dilutions:</b> WB: 1:1000-1:8000
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> O95416	
<b>Isotype:</b> IgG	<b>Full Name:</b> SRY (sex determining region Y)-box 14	
<b>Immunogen Catalog Number:</b> AG31127	<b>Calculated MW:</b> 240 aa, 26 kDa	
	<b>Observed MW:</b> 26 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : mouse brain tissue,
<b>Species Specificity:</b> 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/ $\beta$ -catenin pathways. (PMID: 34098886, PMID: 34181293)

## Storage

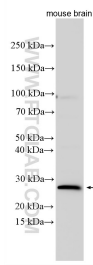
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
Aliquoting is unnecessary for -20°C storage

\*\*\* 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

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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.