

For Research Use Only

SOX14 Polyclonal antibody

Catalog Number:30613-1-AP



Basic Information

Catalog Number:

30613-1-AP

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG31127

GenBank Accession Number:

BC106730

GeneID (NCBI):

8403

UNIPROT ID:

O95416

Full Name:

SRY (sex determining region Y)-box
14

Calculated MW:

240 aa, 26 kDa

Observed MW:

26 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB: 1:1000-1:8000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse

Positive Controls:

WB : mouse brain tissue,

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 -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

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

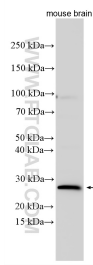
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

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

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.