For Research Use Only

NEPRO Polyclonal antibody

Catalog Number:33450-1-AP

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Basic Information

Catalog Number:
33450-1-AP

Size:
150ul , Concentration: 370 ug/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG38276

GenBank Accession Number:
NM_015412.3

GeneID (NCBI):
25871

UNIPROT ID:
Q6NW34

Full Name:
chromosome 3 open reading frame 17

Calculated MW:
65kDa 567aa

Observed MW:
58 kDa

Purification Method:
Antigen affinity Purification

Recommended Dilutions:
WB: 1:1000-1:4000

Applications

Tested Applications:
WB, ELISA

Species Specificity:
human

Positive Controls:

WB : Jurkat cells, Raji cells, Ramos cells, SH-SY5Y cells, SK-N-SH cells

Background Information

The NEPRO protein (full name: Nucleolus and Neural Progenitor Protein) belongs to the NEPRO family and is primarily localized in the nucleolus. Its core function is to serve as a key downstream factor of the Notch signaling pathway during cerebral cortex development, where it maintains the stemness of neural progenitor cells by inhibiting their differentiation into neurons, thereby ensuring normal development of the nervous system. Additionally, this protein also plays an indispensable role during pre-implantation embryonic development in mice (PMID: 26178919).

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
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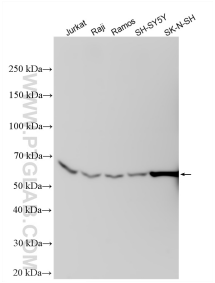
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 33450-1-AP (NEPRO antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.