

For Research Use Only

Ephrin B3 Polyclonal antibody

Catalog Number:55080-1-AP



Basic Information

Catalog Number:

55080-1-AP

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_001406

GeneID (NCBI):

1949

UNIPROT ID:

Q15768

Full Name:

ephrin-B3

Calculated MW:

36 kDa

Observed MW:

45-50 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB: 1:500-1:2000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB : Caki-1 cells, SKOV-3 cells, U-87 MG cells

Background Information

Ephrin-B3 is a transmembrane ligand that binds primarily to EphB receptors to mediate bidirectional cell signaling, crucial for neural development, axon guidance, and synaptic plasticity. Highly expressed in the brain and spinal cord, it acts as a midline repellent to guide axonal pathfinding (PMID: 16951161). Ephrin B3 is important in the regulation of cell proliferation, differentiation and migration via cell-cell contact, and can activate the reelin pathway during brain development. The band of ephrin-B3 was identical to phosphorylated ephrin-B at 50 kDa (PMID: 16951161, 21447033).

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:

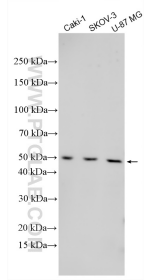
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 55080-1-AP (Ephrin B3 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.