

For Research Use Only

MEGF8 Polyclonal antibody

Catalog Number: 32300-1-AP



Basic Information

Catalog Number:

32300-1-AP

Size:

450 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG36469

GenBank Accession Number:

NM_001271938.1

GeneID (NCBI):

1954

UNIPROT ID:

Q7Z7M0

Full Name:

multiple EGF-like-domains 8

Calculated MW:

303 kDa

Observed MW:

303 kDa

Purification Method:

Antigen affinity Purification

Recommended Dilutions:

WB 1:500-1:1000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB : COLO 320 cells, HepG2 cells, U-251 cells, U2OS cells

Background Information

Multiple epidermal growth factor-like domains protein 8 (MEGF8, also known as C19orf49, EGFL4, and KIAA0817) is a multidomain transmembrane protein, which is known to interact with MGRN1, a protein that functions as an E3 ubiquitin ligase, and this interaction is involved in the regulation of Hedgehog signaling and heart development (PMID: 32966817). It is also involved in mediating Bone morphogenetic protein 4 (BMP4) signaling and guidance of developing trigeminal ganglion (TG) axons (PMID: 24052814). Immunoelectron microscopy showed that MEGF8 was present in the synapses and around the outer mitochondrial membrane, indicating its role in synaptic and mitochondrial functions (PMID: 38201267).

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

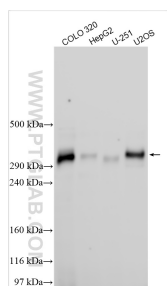
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 32300-1-AP (MEGF8 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.