

For Research Use Only

# MEGF8 Polyclonal antibody, PBS Only

Catalog Number: 32300-1-PBS



## Basic Information

<b>Catalog Number:</b> 32300-1-PBS	<b>GenBank Accession Number:</b> NM_001271938.1	<b>Purification Method:</b> Antigen affinity Purification
<b>Source:</b> Rabbit	<b>GeneID (NCBI):</b> 1954	
<b>Isotype:</b> IgG	<b>UNIPROT ID:</b> Q7Z7M0	
<b>Immunogen Catalog Number:</b> AG36469	<b>Full Name:</b> multiple EGF-like-domains 8	
	<b>Calculated MW:</b> 303 kDa	
	<b>Observed MW:</b> 303 kDa	

## Applications

**Tested Applications:**  
WB, Indirect ELISA

**Species Specificity:**  
human

## 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 -80°C.  
**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

**Storage Buffer:**  
PBS only, pH7.3

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

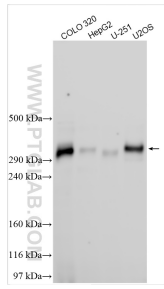
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## Selected Validation Data



Various lysates were subjected to Tris-Acetate gel system followed by western blot with 32300-1-AP (MEGF8 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 32300-1-PBS in a different storage buffer formulation.