For Research Use Only

PDZD8 Recombinant monoclonal antibody, PBS Only

Catalog Number:87134-1-PBS

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Basic Information

Catalog Number:
87134-1-PBS

Size:
100ug , Concentration: 1 mg/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG21914

GenBank Accession Number:
BC028375

GeneID (NCBI):
118987

UNIPROT ID:
Q8NEN9

Full Name:
PDZ domain containing 8

Calculated MW:
1154 aa, 129 kDa

Observed MW:
150-160 kDa

Purification Method:
Protein A purification

CloneNo.:
252321A11

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human

Background Information

PDZD8 (PDZ domain containing 8) is an SMP (synaptotagmin-like mitochondrial-lipid-binding) domain-containing protein belonging to the tubular lipid-binding protein (TULIP) superfamily of lipid transfer proteins (PMID: 37961523). PDZD8 is an integral ER transmembrane protein present at ER-mitochondria contacts (PMID: 29097544). It is involved in regulating ER-mitochondria associations, mitochondrial calcium ion homeostasis, and lipid transport between the ER and late endosomes/lysosomes (PMID: 37247681; 29097544; 33912962).

Storage

Storage:
Store at -80°C.
Storage Buffer:
PBS only, pH7.3

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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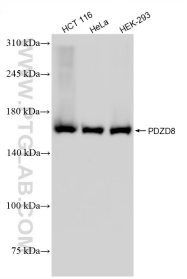
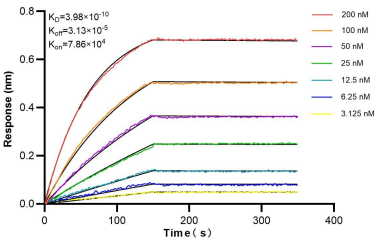
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 87134-1-RR (PDZD8 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 87134-1-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 87134-1-RR against Human PDZD8 were performed. The affinity constant is 0.398 nM.