

PDZD8 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP59118**Specification**

PDZD8 Polyclonal Antibody - Product Information

Application	WB, IHC-P
Primary Accession	Q8NEN9
Reactivity	Rat, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	128563

PDZD8 Polyclonal Antibody - Additional Information**Gene ID** 118987**Other Names**

PDZ domain-containing protein 8, Sarcoma antigen NY-SAR-84/NY-SAR-104, PDZD8 (http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=26974), PDZK8

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

PDZD8 Polyclonal Antibody - Protein Information**Name** PDZD8 ([HGNC:26974](#))**Synonyms** PDZK8**Function**

Molecular tethering protein that connects endoplasmic reticulum and mitochondria membranes (PubMed:[29097544](http://www.uniprot.org/citations/29097544)). PDZD8-dependent endoplasmic reticulum-mitochondria membrane tethering is essential for endoplasmic reticulum-mitochondria Ca(2+) transfer (PubMed:[29097544](http://www.uniprot.org/citations/29097544)). In neurons, involved in the regulation of dendritic Ca(2+) dynamics by regulating mitochondrial Ca(2+) uptake in neurons (PubMed:[29097544](http://www.uniprot.org/citations/29097544)). Plays an indirect role in the regulation of cell morphology and cytoskeletal organization (PubMed:[21834987](http://www.uniprot.org/citations/21834987)). May inhibit herpes simplex virus 1 infection at an early stage (PubMed:[21549406](http://www.uniprot.org/citations/21549406)).

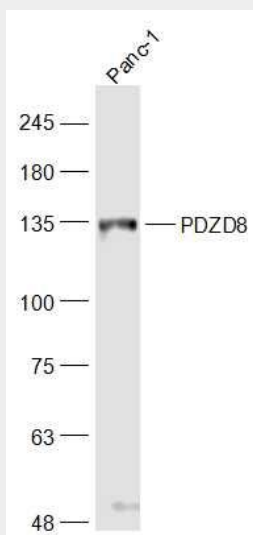
Cellular Location

Endoplasmic reticulum membrane; Single-pass membrane protein. Note=Localizes at mitochondria-endoplasmic reticulum contact sites.

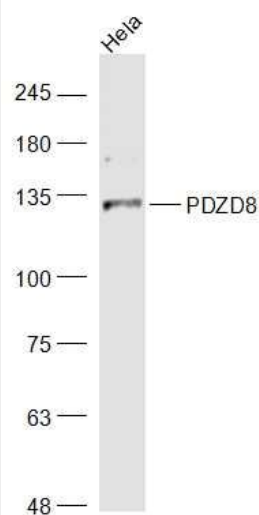
PDZD8 Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

PDZD8 Polyclonal Antibody - Images**Sample:**

Panc-1(Human) Cell Lysate at 30 ug
Primary: Anti-PDZD8 (bs-9043R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 128 kD
Observed band size: 130kD



Sample:

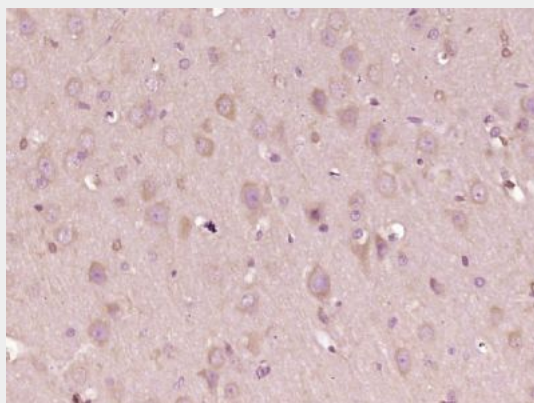
HeLa(Human) Cell Lysate at 30 ug

Primary: Anti-PDZD8 (bs-9043R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 128 kD

Observed band size: 130 kD



Paraformaldehyde-fixed, paraffin embedded (rat brain tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (PDZD8 Polyclonal Antibody, Unconjugated (bs-9043R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.