

PDIA6 antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI13370**Specification**

PDIA6 antibody - N-terminal region - Product Information

Application	IHC, WB, IP
Primary Accession	O922R8
Other Accession	NM_005742 , NP_005733
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Dog
Predicted	Human, Mouse, Rat, Pig, Chicken, Horse, Bovine, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	48kDa KDa

PDIA6 antibody - N-terminal region - Additional Information**Gene ID** 71853**Alias Symbol** ERP5, P5, TXNDC7**Other Names**

Protein disulfide-isomerase A6, 5.3.4.1, Thioredoxin domain-containing protein 7, Pdia6, Txndc7

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-PDIA6 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

PDIA6 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

PDIA6 antibody - N-terminal region - Protein Information**Name** Pdia6**Synonyms** Txndc7**Function**

May function as a chaperone that inhibits aggregation of misfolded proteins (PubMed:24508390). Negatively regulates the unfolded protein response (UPR) through binding to UPR sensors such as ERN1, which in turn inactivates ERN1 signaling (By similarity). May also regulate the UPR via the EIF2AK3 UPR sensor (By similarity). Plays a role in platelet aggregation and activation by agonists such as

convulxin, collagen and thrombin (By similarity).

Cellular Location

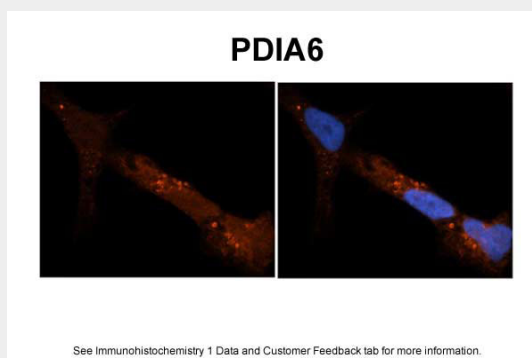
Endoplasmic reticulum lumen {ECO:0000250|UniProtKB:Q15084}. Cell membrane {ECO:0000250|UniProtKB:Q15084}. Melanosome {ECO:0000250|UniProtKB:Q15084}

PDIA6 antibody - N-terminal region - Protocols

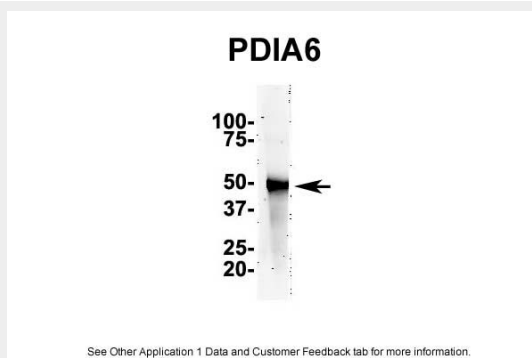
Provided below are standard protocols that you may find useful for product applications.

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

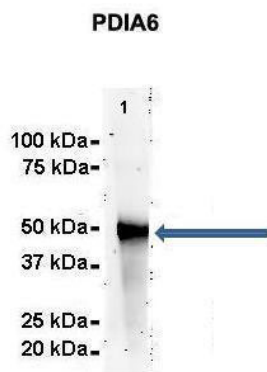
PDIA6 antibody - N-terminal region - Images



Sample Type: NT2 cells Red: Antibody Blue: DAPI Primary Dilution: 1ug/50ul antibody
Secondary Antibody: Alexa goat anti-rabbit 594 Image
Submitted by: Yuzhi Chen, University of Arkansas for Medical Sciences

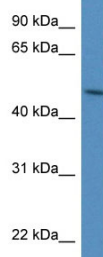


Sample Type :Mouse Brain lysate



See Other Application 1 Data and Customer Feedback for more information

Amount and Sample Type : 500 ug Human NT2 cell lysate
Amount of IP Antibody : 6 ug Primary Antibody : PDIA6
Primary Antibody Dilution : 1:500
Secondary Antibody : Goat anti-rabbit Alexa-Fluor 594 Secondary Antibody Dilution : 1:5000
Gene Name : PDIA6



WB Suggested Anti-PDIA6 Antibody Titration: 0.2-1 µg/ml
ELISA Titer: 1:62500
Positive Control: 721_B cell lysate
PDIA6 is strongly supported by BioGPS gene expression data to be expressed in Human 721_B cells

PDIA6 antibody - N-terminal region - References

Carninci P.,et al.Science 309:1559-1563(2005).
Lubec G.,et al.Submitted (APR-2007) to UniProtKB.