

PDIA6 antibody - N-terminal region

Rabbit Polyclonal Antibody

Catalog # AI13370

Product Information

Application	WB, IHC, IP
Primary Accession	Q922R8
Other Accession	NM_005742 , NP_005733
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Dog, Horse, Bovine
Predicted	Human, Mouse, Rat, Pig, Chicken, Dog, Horse, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	48100

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.

Protein Information

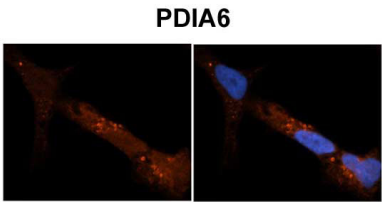
Name	Pdia6
Synonyms	Txndc7
Function	May function as a chaperone that inhibits aggregation of misfolded proteins (PubMed: 24508390). Negatively regulates the unfolded protein response (UPR) through binding to UPR sensors such as ERN1, which in turn inactivates ERN1 signaling (By similarity). May also 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}

References

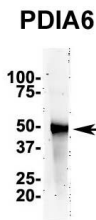
Carninci P.,et al.Science 309:1559-1563(2005).
Lubec G.,et al.Submitted (APR-2007) to UniProtKB.

Images



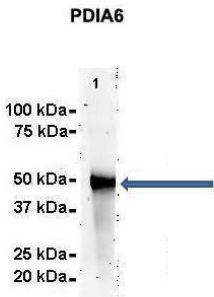
Sample Type: NT2 cells Red: Antibody Blue: DAPI
Primary Dilution: 1ug/50ul antibody
Secondary Antibody: Alexa goat anti-rabbit 594 Image
Submitted by: Yuzhi Chen, University of Arkansas for
Medical Sciences

See Immunohistochemistry 1 Data and Customer Feedback tab for more information.



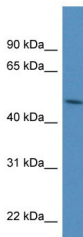
Sample Type :Mouse Brain lysate

See Other Application 1 Data and Customer Feedback tab 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

See Other Application 1 Data and Customer Feedback for more information



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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.