

Rabbit PDIA6 Monoclonal Antibody | anti-PDIA6 antibody

PDIA6 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA312409	Rabbit	Human, Mouse, Rat	Flow Cytometry, Functional Assay, Immunofluorescence, Immunocytochemistry, Western Blot

PRODUCT SYNONYMS

PDIA6; Monoclonal Antibody; PDIA6 Antibody; Endoplasmic reticulum protein 5 antibody; ER protein 5 antibody; ERp5 antibody; P5 antibody; Pdia6 antibody; PDIA6_HUMAN antibody; Protein disulfide isomerase A6 antibody; Protein disulfide isomerase associated 6 antibody; Protein disulfide isomerase family A member 6 antibody; Protein disulfide isomerase P5 antibody; Protein disulfide isomerase related protein antibody; Protein disulfide-isomerase A6 antibody; Thioredoxin domain containing 7 (protein disulfide isomerase) antibody; Thioredoxin domain containing protein 7 antibody; Thioredoxin domain-containing protein 7 antibody; TXNDC7 antibody; anti-PDIA6 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Clone Number	JF0974
Purity/Purification	ProA affinity purified
Form/Format	1*TBS (pH7.4), 1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.
Applicable Applications for anti-PDIA6 antibody	FCM/FACS (Flow Cytometry), IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot)
Antibody Type	Recombinant Antibody
Immunogen	Recombinant protein
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C.

IMAGES



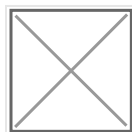
FCM/FACS (Flow Cytometry)

Flow cytometric analysis of HeLa cells with PDIA6 antibody at 1/50 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody.



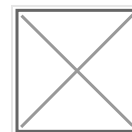
ICC (Immunocytochemistry)

ICC staining PDIA6 in NIH/3T3 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC (Immunocytochemistry)

ICC staining PDIA6 in HepG2 cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC (Immunocytochemistry)

ICC staining PDIA6 in HeLa cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



WB (Western Blot)

Western blot analysis of PDIA6 on different lysates using anti-PDIA6 antibody at 1/1, 000 dilution. Positive control: Lane 1: HepG2 Lane 2: K562

ADDITIONAL INFORMATION

Related Product Information for anti-PDIA6 antibody	Endoplasmic reticulum proteins (ERps) are widely expressed proteins that localize to the ER and may act as proteases, protein disulfide isomerases, thiol-disulfide oxidases or phospholipases. ERp5, also known as PDIA6 (protein disulfide isomerase family A, member 6) or TXNDC7 is a 440 amino acid protein that contains two thioredoxin domains and belongs to the protein disulfide isomerase family. Localized to the melanosome, as well as to the lumen of the endoplasmic reticulum, ERp5 functions to catalyze the rearrangement of disulfide bonds in a variety of different proteins. Via its catalytic activity, ERp5 is able to reduce the disulfide bond that binds MICA to tumor cells, thereby releasing MICA and reducing the rate of tumor expansion. Multiple isoforms of ERp5 exist due to alternative splicing events.
Product Categories/Family for anti-PDIA6 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	2501205
NCBI GeneID	10130
UniProt Accession #	Q15084; Q53RC7; Q6ZSH5; Q99778; B3KY95; B5MCQ5; B7Z254; B7Z4M8; F8WA83
Molecular Weight	440
NCBI Official Full Name	Protein disulfide-isomerase A6
NCBI Official Synonym Full Names	protein disulfide isomerase family A, member 6
NCBI Official Symbol	PDIA6
NCBI Official Synonym Symbols	P5; ERP5; TXNDC7
NCBI Protein Information	protein disulfide-isomerase A6; ER protein 5; protein disulfide isomerase P5; endoplasmic reticulum protein 5; thioredoxin domain-containing protein 7; protein disulfide isomerase-associated 6; protein disulfide isomerase-related protein; thioredoxin doma
UniProt Protein Name	Protein disulfide-isomerase A6
UniProt Gene Name	PDIA6
UniProt Synonym Gene Names	ERP5; P5; TXNDC7; ER protein 5; ERp5
UniProt Entry Name	PDIA6_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/pdia6-antibody-clone-jf0974-flow-cytometry-immunofluorescence-immunocytochemistry-western-blot-elisa/312409>