

Rabbit anti-Human PDIA5 Polyclonal Antibody | anti-PDIA5 antibody

Anti-PDIA5 Antibody, Rabbit Polyclonal

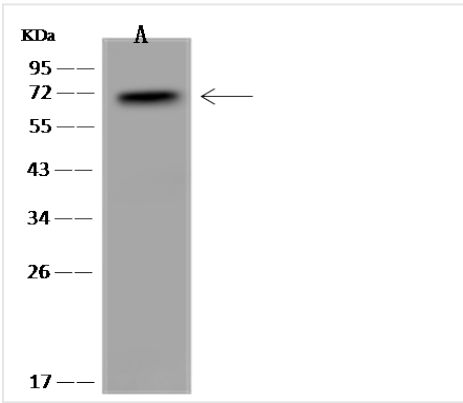
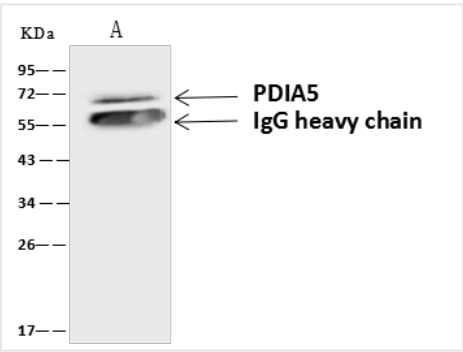
CATALOG # AAA256684	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunoprecipitation, Western Blot
-------------------------------	-----------------------	----------------------------	--

PRODUCT SYNONYMS

PDIA5; Polyclonal Antibody; Anti-PDIA5 Antibody; Rabbit Polyclonal; PDIA5 Antibody; Rabbit PAb; Antigen Affinity Purified; protein disulfide isomerase family A; member 5; Anti-PDIR Antibody; anti-PDIA5 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human PDIA5
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-PDIA5 antibody	IP (Immunoprecipitation), WB (Western Blot)
Immunogen	E Coli-derived Human PDIA5 fragment
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with E Coli-derived Human PDIA5 fragment, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles.



IP (Immunoprecipitation)
PDIA5 was immunoprecipitated using: Lane A: 0.5 mg HepG2 Whole Cell Lysate, 4 μ L anti-PDIA5 rabbit polyclonal antibody and 60 μ g of Immnomagnetic beads Protein A/G. Primary antibody: Anti-PDIA5 rabbit polyclonal antibody, at 1:100 dilution. Secondary antibody: Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 60 kDa. Observed band size: 70 kDa.

WB (Western Blot)
Anti-PDIA5 rabbit polyclonal antibody at 1:500 dilution. Lane A: HepG2 Whole Cell Lysate. Lane B: NCI-H460 Whole Cell Lysate. Lysates/proteins at 30 μ g per lane. Secondary: Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 60 kDa. Observed band size: 70 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-PDIA5 antibody	PDIA5 (Protein Disulfide Isomerase Family A Member 5) is a Protein Coding gene. The PDIA5 gene, located on 3q21.1, is conserved in chimpanzee, Rhesus monkey, dog, cow, mouse, rat, chicken, zebrafish, fruit fly, and mosquito. This gene encodes a member of the disulfide isomerase (PDI) family of endoplasmic reticulum (ER) proteins that catalyze protein folding and thiol-disulfide interchange reactions. The encoded protein has an N-terminal ER-signal sequence, three catalytically active thioredoxin (TRX) domains, a TRX-like domain, and a C-terminal ER-retention sequence. The N-terminal TRX-like domain is the primary binding site for the major ER chaperone calreticulin and possibly other proteins and substrates as well. The non-catalytic domain of PDIA5 plays a key role in the recognition of protein partners and substrates.
References	Vinaik R, et al. (2013) Structure of the non-catalytic domain of the protein disulfide isomerase-related protein (pdir) reveals function in protein binding. PLoS One 8 (4): e62021. Kozlov G, et al. (2010) A structural overview of the pdi family of proteins. Febs j 277 (19): 3924-3936. Honjo Y, et al. (2014) Protein disulfide isomerase p5-immunopositive inclusions in patients with alzheimer's disease. J Alzheimers Dis 38 (3): 601-609.

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.