

## Rabbit PDIA6 Polyclonal Antibody | anti-PDIA6 antibody

PDIA6 Antibody (Center K159)

| CATALOG # | HOST   | REACTIVITY        | APPLICATIONS                                                                                    |
|-----------|--------|-------------------|-------------------------------------------------------------------------------------------------|
| AAA28792  | Rabbit | Human, mouse, rat | ELISA, Immunohistochemistry, Immunofluorescence, Western Blot, Flow Cytometry, Functional Assay |

### PRODUCT SYNONYMS

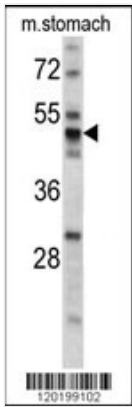
PDIA6; Polyclonal Antibody; PDIA6 Antibody (Center K159); Protein disulfide-isomerase A6; Endoplasmic reticulum protein 5; ER protein 5; ERp5; Protein disulfide isomerase P5; Thioredoxin domain-containing protein 7; ERP5; P5; TXNDC7; anti-PDIA6 antibody

### PRODUCT SPECIFICATIONS

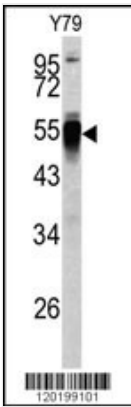
|                                                 |                                                                                                                                                                                           |
|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                                                                    |
| Reactivity                                      | Human, mouse, rat                                                                                                                                                                         |
| Clonality                                       | Polyclonal                                                                                                                                                                                |
| Isotype                                         | Rabbit Ig                                                                                                                                                                                 |
| Specificity                                     | This PDIA6 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 144-172 amino acids from the Central region of human PDIA6.                       |
| Purity/Purification                             | Purified Rabbit Polyclonal Antibody (Pab)                                                                                                                                                 |
| Form/Format                                     | Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS. |
| Concentration                                   | Vial Concentration: 2 (varies by lot)                                                                                                                                                     |
| Sequence Positions                              | 144-172                                                                                                                                                                                   |
| Sequence Length                                 | 488                                                                                                                                                                                       |
| Applicable Applications for anti-PDIA6 antibody | ELISA, IHC (Immunohistochemistry), IF (Immunofluorescence), WB (Western Blot), FCM/FACS (Flow Cytometry)                                                                                  |
| Application Notes                               | IHC~~~1:50~100<br>IF~~~1:100<br>WB~~~1:1000                                                                                                                                               |
| Antigen Type                                    | Synthetic Peptide                                                                                                                                                                         |
| Crown Antibody                                  | Yes                                                                                                                                                                                       |
| Antigen Source                                  | HUMAN                                                                                                                                                                                     |
| Preparation and Storage                         | Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.                                    |



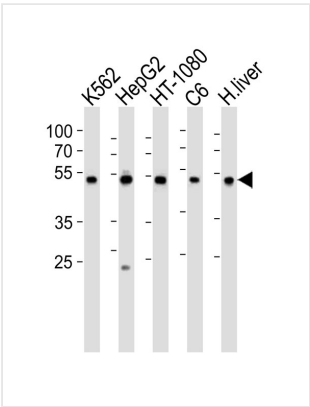
**WB (Western Blot)**  
Formalin-fixed and paraffin-embedded human brain tissue reacted with PDIA6 Antibody (Center K159), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



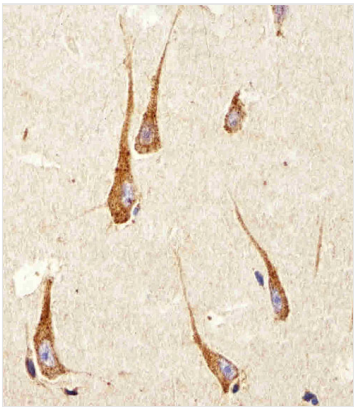
**WB (Western Blot)**  
Western blot analysis of PDIA6 antibody (Center K159) in mouse stomach tissue lysates (35ug/lane). PDIA6 (arrow) was detected using the purified Pab.



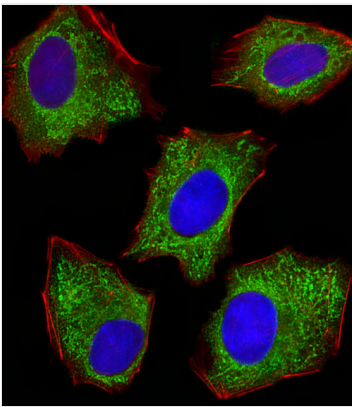
**WB (Western Blot)**  
Western blot analysis of PDIA6 antibody (Center K159) in Y79 cell line lysates (35ug/lane). PDIA6 (arrow) was detected using the purified Pab.



**WB (Western Blot)**  
Western blot analysis of lysates from K562, HepG2, HT-1080, rat C6 cell line and human liver tissue lysate (from left to right), using PDIA6 Antibody (Center K159). AAA28792 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysates at 35ug per lane.



**IHC (Immunohistochemistry)**  
Immunohistochemical analysis of paraffin-embedded H. brain section using PDIA6 Antibody (Center K159). AAA28792 was diluted at 1:100 dilution. A peroxidase-conjugated goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody, followed by DAB staining.



**IF (Immunofluorescence)**  
Fluorescent image of HepG2 cells stained with XAF1 PDIA6 Antibody (Center K159). AAA28792 was diluted at 1:100 dilution. An Alexa Fluor 488-conjugated goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody (green). DAPI was used to stain the cell nuclear (blue). Cytoplasmic actin was counterstained with Alexa Fluor 555 conjugated with Phalloidin (red).

ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                                         |
|-----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-PDIA6 antibody | Protein disulfide isomerases (EC 5.3.4.1), such as PDIA6, are endoplasmic reticulum (ER) resident proteins that catalyze formation, reduction, and isomerization of disulfide bonds in proteins and are thought to play a role in folding of disulfide-bonded proteins. |
| Product Categories/Family for anti-PDIA6 antibody   | Crown Antibodies; Signal Transduction                                                                                                                                                                                                                                   |
| References                                          | Hayano,T.,Gene 164 (2), 377-378 (1995)                                                                                                                                                                                                                                  |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                        |
|----------------------------------|------------------------------------------------------------------------|
| NCBI GI #                        | 5031973                                                                |
| NCBI GeneID                      | 10130                                                                  |
| NCBI Accession #                 | NP_005733.1                                                            |
| NCBI GenBank Nucleotide #        | NM_005742.3                                                            |
| UniProt Accession #              | Q15084; Q53RC7; Q6ZSH5; Q99778; B3KY95; B5MCQ5; B7Z254; B7Z4M8; F8WA83 |
| Molecular Weight                 | 48121                                                                  |
| NCBI Official Full Name          | protein disulfide-isomerase A6 isoform d                               |
| 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                                         |
| 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://www.aaabiotech.com/polyclonal/pdia6-antibody-immunohistochemistry-immunofluorescence-western-blot-flow-cytometry-elisa/28792>