



Rabbit anti Pdia 4 Polyclonal Antibody

Alternative Name(s): protein disulfide isomerase family A, member 4

Order Information

- **Description:** Pdia 4
- **Catalogue:** 600-810
- **Lot:** See label
- **Size:** 100ug/200ul
- **Host:** Rabbit
- **Clone:** nan
- **Application:** IHC(P), WB
- **Reactivity:** Hu, Ms, Rt, Bv, Dg

ANTIGEN PREPARATION

A synthetic peptide corresponding to the C-terminus of PDIA4 protein. This sequence is identical to human, rat, mouse, bovine, dog, and zebra fish.

BACKGROUND

Protein Disulfide Isomerase A4 (PDIA4 or ERp72), a 645aa protein, is an endoplasmic reticulum luminal protein that responds to stress. Sequence analysis shows that it shares sequence identity with PDI (protein disulphide isomerase) at three discrete regions, as well as containing the ER retention signal KEEL at its C-terminus. ERp72 is shown to have three copies of sequence believed to be CGHC-containing active sites, which are also found in PDI. These CGHC sites are critical sites that are involved in the protein disulphide isomerization process. These results suggest that ERp72 is a newly described member of the family of CGHC-containing proteins that functions as a molecular chaperone. .

PURIFICATION

The Rabbit IgG is purified by Epitope Affinity Purification

FORMULATION

This affinity purified antibody is supplied in sterile Phosphatebuffered saline (pH7.2) containing antibody stabilizer

SPECIFICITY

This antibody recognizes ~75 kDa of PDIA4. It reacts with human, rat and mouse. The other species are not tested.

STORAGE

The antibodies are stable for 24 months from date of receipt when stored at -20oC to -70oC. The antibodies can be stored at 2oC-8oC for three month without detectable loss of activity. Avoid repeated freezing-thawing cycles.

APPLICATIONS/SUGGESTED WORKING DILUTIONS*

- Western Blot: 0.1-1 µg/ml
- ELISA: 0.01-0.1 µg/ml
- Immunoprecipitation: 2-5 µg/ml
- IHC: 2-10 µg/ml
- Flow cytometry: Not tested
- Molecular Weight: 75.0
- Positive Control: Kidney Tissue
- Cellular Location: Cell Membrane

*Optimal dilutions should be determined by researchers for the specific applications.

FOR RESEARCH USE ONLY.

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DATA ATTACHMENTS

**MW
(kDa)**

150-

100-

75-

50_

37_

25_



Western Blot: The Cell lysate derived from mouse liver was resolved onto 10% SDS-PAGE, transferred onto NC membrane, and immuno-blotted by Rabbit anti PDIA4 (Cat#600-810) at 1:500. An immunoreactive band around ~75 kDa was observed.

REFERENCES

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