

PDI Antibody, pAb, Rabbit

Cat. No.: A01434-40

Size: 40 µg

Synonyms: PDI A1 antibody; ER Marker

Description:

Protein Disulphide Isomerase (PDI) is a microsomal enzyme which locates in endoplasmic reticulum lumen. The enzyme catalyzes the formation and isomerization of intermolecular disulphide-bond that stabilizes three dimensional structure of many extracellular proteins. The upregulation of PDI represents an adaptive response to the accumulation of immature and denatured proteins which cause ER dysfunction in neurodegenerative disorders.

GenScript **Rabbit Anti-PDI Polyclonal Antibody** is developed in rabbit using a KLH-coupled synthetic peptide within residues 100-150 of human PDI (Swiss Prot: P07237).

Immunogen: KLH-coupled synthetic peptide within residues 100-150 of human PDI (Swiss Prot: P07237).

Host: Rabbit

Antigen Synonyms: Human

Conjugation: Unconjugated

Formulation:

0.5 mg/ml, lyophilized with PBS, pH 7.4, containing 0.02% sodium azide.

Ig Subclass: Rabbit IgG

Specificity: GenScript Rabbit Anti-PDI Polyclonal Antibody detects endogenous levels of human, mouse, and rat PDI.

- **Positive Control:** K562, HepG2, A431, Hela, Ramos, mouse brain and rat brain lysates

Purification: Immunoaffinity chromatography

Applications:

Working concentrations for specific applications should be determined by the investigator. The appropriate concentrations may be affected by secondary antibody affinity, antigen concentration, the sensitivity of the method of detection, temperature, the length of the incubations, and other factors. The suitability of this antibody for applications other than those listed below has not been determined. The following concentration ranges are recommended starting points for this product.

ELISA: 0.05-0.2 µg/ml

Western blot: 0.5-1 µg/ml

Flow cytometry: 1-3 µg for 1 x 10⁶ cells

Other Applications: user-optimized

Species Reactivity: Human, mouse, and rat. This product has not been tested with other species yet.

Reconstitution:

Reconstitute the lyophilized powder with deionized water (or equivalent) to an antibody concentration of 0.5 mg/ml.

Storage:

The antibody is stable in lyophilized form if stored at -20°C or below. The reconstituted antibody can be stored for 2-3 weeks at 2-8°C. For long term storage, aliquot and store at -20°C or below. Avoid repeated freezing and thawing cycles.