# PDI Antibody HRP Conjugated

Catalog No: #C02954H

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

## Description

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| Product Name | PDI Antibody HRP Conjugated |
| Host Species | Rabbit |
| Clonality | Polyclonal |
| Isotype | IgG |
| Purification | Purified by Protein A. |
| Applications | WB IHC-P IHC-F |
| Species Reactivity | Hu Ms Rt |
| Immunogen Description | KLH conjugated synthetic peptide derived from human PDI |
| Conjugates | HRP |
| Target Name | PDI |
| Other Names | Protein Disulfide Isomerase; Cellular thyroid hormone-binding protein; PDI; Prolyl 4-hydroxylase subunit beta; p55; P4HB; ERBA2L; P4HB; ERBA2L; PDIA1; PO4DB; PDIA1_HUMAN. |
| Accession No. | Swiss-Prot#P07237NCBI Gene ID5034 |
| Uniprot | P07237 |
| GeneID | 5034; |
| Excitation Emission | N A |
| Concentration | 1mg ml |
| Formulation | 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol. |
| Storage | Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles. |

## Application Details

WB=1:500-2000 IHC-P=1:50-200 IHC-F=1:50-200

## Background

This multifunctional protein catalyzes the formation, breakage and rearrangement of disulfide bonds. At the cell surface, seems to act as a reductase that cleaves disulfide bonds of proteins attached to the cell. May therefore cause structural modifications of exofacial proteins. Inside the cell, seems to form rearrange disulfide bonds of nascent proteins. At high concentrations, functions as a chaperone that inhibits aggregation of misfolded proteins. At low concentrations, facilitates aggregation (anti-chaperone activity). May be involved with other chaperones in the structural modification of the TG precursor in hormone biogenesis. Also acts a structural subunit of various enzymes such as prolyl 4-hydroxylase and microsomal triacylglycerol transfer protein MTTP. Receptor for LGALS9; the interaction retains P4HB at the cell surface of Th2 T helper cells, increasing disulfide reductase activity at the plasma membrane, altering the plasma membrane redox state and enhancing cell migration (PubMed:21670307).

Note: This product is for in vitro research use only