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PDIA2 Antibody (Center) Blocking peptide

Synthetic peptide
Catalog # BP14003c

Specification

PDIA2 Antibody (Center) Blocking peptide - Product Information

Primary Accession Q13087

PDIA2 Antibody (Center) Blocking peptide - Additional Information

Gene ID 64714

Other Names
Protein disulfide-isomerase A2, Pancreas-specific protein disulfide isomerase, PDIp, PDIA2, PDIP

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP14003c was selected from the Center region of PDIA2. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

PDIA2 Antibody (Center) Blocking peptide - Protein Information

Name PDIA2

Synonyms PDIP

Function
Acts as an intracellular estrogen-binding protein. May be involved in modulating cellular levels and biological functions of estrogens in the pancreas. May act as a chaperone that inhibits aggregation of misfolded proteins.

Cellular Location
Endoplasmic reticulum lumen {ECO:0000255|PROSITE- ProRule:PRU10138}

Tissue Location
Highly expressed in pancreas (at protein level).

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PDIA2 Antibody (Center) Blocking peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

PDIA2 Antibody (Center) Blocking peptide - Images

PDIA2 Antibody (Center) Blocking peptide - Background

Protein disulfide isomerases (EC 5.3.4.1), such as PDIP,are endoplasmic reticulum (ER) resident proteins that catalyzeprotein folding and thiol-disulfide interchange reactions (Desilvaet al., 1996 [PubMed 8561901]).

PDIA2 Antibody (Center) Blocking peptide - References

Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010)Swiatkowska, M., et al. J. Biol. Chem. 285(39):29874-29883(2010)Wang, C., et al. J. Biol. Chem. 285(35):26788-26797(2010)Honjo, Y., et al. Brain Res. 1349, 90-96 (2010) :Popescu, N.I., et al. Blood 116(6):993-1001(2010)