

PDIA6 Antibody (Center D251) Blocking Peptide
Synthetic peptide
Catalog # BP6662c**Specification**

PDIA6 Antibody (Center D251) Blocking Peptide - Product InformationPrimary Accession [Q15084](#)**PDIA6 Antibody (Center D251) Blocking Peptide - Additional Information**

Gene ID 10130

Other Names

Protein disulfide-isomerase A6, Endoplasmic reticulum protein 5, ER protein 5, ERp5, Protein disulfide isomerase P5, Thioredoxin domain-containing protein 7, PDIA6, ERP5, P5, TXNDC7

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP6662c](/products/AP6662c) was selected from the Center region of human PDIA6. 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.

PDIA6 Antibody (Center D251) Blocking Peptide - Protein Information

Name PDIA6

Synonyms ERP5, P5, TXNDC7

Function

May function as a chaperone that inhibits aggregation of misfolded proteins (PubMed: [12204115](http://www.uniprot.org/citations/12204115)). Negatively regulates the unfolded protein response (UPR) through binding to UPR sensors such as ERN1, which in turn inactivates ERN1 signaling (PubMed: [24508390](http://www.uniprot.org/citations/24508390)). May also regulate the UPR via the EIF2AK3 UPR sensor (PubMed: [24508390](http://www.uniprot.org/citations/24508390)). Plays a role in platelet aggregation and activation by agonists such as convulxin, collagen and thrombin (PubMed: [15466936](http://www.uniprot.org/citations/15466936)).

Cellular Location

Endoplasmic reticulum lumen. Cell membrane. Melanosome. Note=Identified by mass spectrometry in melanosome fractions from stage I to stage IV (PubMed:12643545)

Tissue Location

Expressed in platelets (at protein level).

PDIA6 Antibody (Center D251) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

PDIA6 Antibody (Center D251) Blocking Peptide - Images**PDIA6 Antibody (Center D251) Blocking Peptide - Background**

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.

PDIA6 Antibody (Center D251) Blocking Peptide - References

Hayano,T.,Gene 164 (2), 377-378 (1995)