

ARG42546 anti-PDIA6 antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes PDIA6
Tested Reactivity	Hu, Ms, Rat, Dog, Mk
Tested Application	WB
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	PDIA6
Species	Human
Immunogen	Recombinant peptide within aa. 220 to the C-terminus of Human PDIA6.
Conjugation	Un-conjugated
Alternate Names	Protein disulfide isomerase P5; ERP5; Thioredoxin domain-containing protein 7; P5; ER protein 5; Endoplasmic reticulum protein 5; ERp5; EC 5.3.4.1; Protein disulfide-isomerase A6; TXNDC7

Application Instructions

Application table	Application	Dilution
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	HeLa and HT1080	
Observed Size	~ 49 kDa	

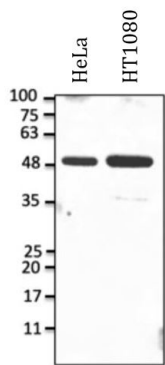
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS, 0.05% Sodium azide and 20% Glycerol.
Preservative	0.05% Sodium azide
Stabilizer	20% Glycerol
Concentration	3 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	PDIA6
Gene Full Name	protein disulfide isomerase family A, member 6
Background	This gene encodes a member of the disulfide isomerase (PDI) family of endoplasmic reticulum (ER) proteins that catalyze protein folding and thiol-disulfide interchange reactions. The encoded protein has an N-terminal ER-signal sequence, two catalytically active thioredoxin (TRX) domains, a TRX-like domain, and a C-terminal ER-retention sequence. This protein inhibits the aggregation of misfolded proteins and exhibits both isomerase and chaperone activity. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Dec 2016]
Function	May function as a chaperone that inhibits aggregation of misfolded proteins (PubMed:12204115). Negatively regulates the unfolded protein response (UPR) through binding to UPR sensors such as ERN1, which in turn inactivates ERN1 signaling (PubMed:24508390). May also regulate the UPR via the EIF2AK3 UPR sensor (PubMed:24508390). Plays a role in platelet aggregation and activation by agonists such as convulxin, collagen and thrombin (PubMed:15466936). [UniProt]
Calculated Mw	48 kDa
Cellular Localization	Endoplasmic reticulum lumen. Cell membrane. Melanosome. Note=Identified by mass spectrometry in melanosome fractions from stage I to stage IV (PubMed:12643545). [UniProt]

Images



ARG42546 anti-PDIA6 antibody WB image

Western blot: 50 µg of HeLa and HT1080 cell lysates stained with ARG42546 anti-PDIA6 antibody at 1:1000 dilution.