



Anti-PDIA6 monoclonal antibody (DCABH-12846)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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 (Hayano and Kikuchi, 1995 [PubMed 7590364]).
Immunogen	A synthetic peptide of human PDIA6 is used for rabbit immunization.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Protein A
Conjugate	Unconjugated
Applications	Western Blot (Transfected lysate); ELISA
Buffer	In 1x PBS, pH 7.4
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	PDIA6 protein disulfide isomerase family A, member 6 [Homo sapiens]
Official Symbol	PDIA6

Synonyms	PDIA6; protein disulfide isomerase family A, member 6; protein disulfide isomerase associated 6 , thioredoxin domain containing 7 (protein disulfide isomerase) , TXNDC7; protein disulfide-isomerase A6; ERp5; P5; protein disulfide isomerase related protein; ER protein 5; protein disulfide isomerase P5; endoplasmic reticulum protein 5; thioredoxin domain-containing protein 7; protein disulfide isomerase-associated 6; protein disulfide isomerase-related protein; thioredoxin domain containing 7 (protein disulfide isomerase); ERP5; TXNDC7;
Entrez Gene ID	10130
Protein Refseq	NP_005733
UniProt ID	Q15084
Chromosome Location	2p25.1
Pathway	Activation of Chaperone Genes by XBP1(S), organism-specific biosystem; Activation of Chaperones by IRE1alpha, organism-specific biosystem; Diabetes pathways, organism-specific biosystem; Disease, organism-specific biosystem; Protein processing in endoplasmic reticulum, organism-specific biosystem; Protein processing in endoplasmic reticulum, conserved biosystem; Unfolded Protein Response, organism-specific biosystem;
Function	electron carrier activity; isomerase activity; protein disulfide isomerase activity; protein disulfide oxidoreductase activity;