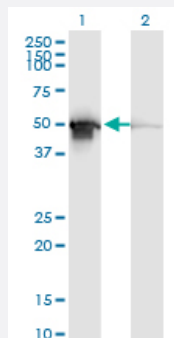


PDIA6 monoclonal antibody (M04), clone 3B4

Catalog # H00010130-M04

Size 100 ug

Applications

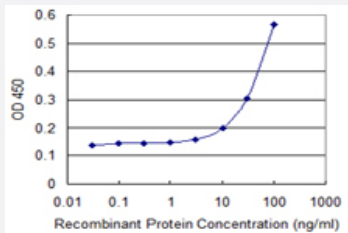


Western Blot (Transfected lysate)

Western Blot analysis of PDIA6 expression in transfected 293T cell line by PDIA6 monoclonal antibody (M04), clone 3B4.

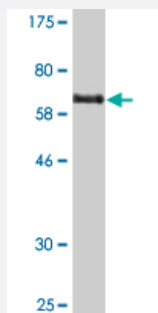
Lane 1: PDIA6 transfected lysate (48.1 KDa).

Lane 2: Non-transfected lysate.



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged PDIA6 is 3 ng/ml as a capture antibody.



Western Blot detection against Immunogen (74.14 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a full-length recombinant PDIA6.

Immunogen	PDIA6 (AAH01312, 1 a.a. ~ 440 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MALLVLGLVSCTFFLAVNGLYSSSDDVIELTPSNFNREVIQSDSLWLVEFYAPWCGHCQRLTPEW KKAATALKDVVKVGAVDADKHHS LGGQYGVQGFP TIKIFGSNKNRPEDYQGGRTGEAMDAALSA LRQLVKDRLGGRSGGYSSGKQGRSDSSSKKDVIELTDDSFDRNVLDSEDVWMVEFYAPWCGH CKNLEPEWAAAAAEVKEQTKGKVLA AVDATVNQVLASRYGIRGFPTIKIFQKGESPDYDGGRT RSDIVSRALDLFSDNAPPELLEIINEDIAKRTCEEHQLCVAVLPHILDTGAAGRNSYLEVLLKLAD KYKKKMWGWLWTEAGAQSELETALGIGGFGYPAMAAINARKMKFALLKGSFSEQGINEFLRELSF GRGSTAPVGGGAFPTIVEREPWDGRDGELPVEGDIDLSDVELDDLKDEL
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Rat (94)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (74.14 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

Western Blot analysis of PDIA6 expression in transfected 293T cell line by PDIA6 monoclonal antibody (M04), clone 3B4.

Lane 1: PDIA6 transfected lysate(48.1 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged PDIA6 is 3 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — PDIA6

Entrez GeneID	10130
GeneBank Accession#	BC001312
Protein Accession#	AAH01312
Gene Name	PDIA6
Gene Alias	ERP5, P5, TXNDC7
Gene Description	protein disulfide isomerase family A, member 6
Omim ID	611099
Gene Ontology	Hyperlink
Gene Summary	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]).[supplied by OMIM]
Other Designations	endoplasmic reticulum protein 5 protein disulfide isomerase-associated 6 protein disulfide isomerase-related protein thioredoxin domain containing 7 (protein disulfide isomerase)

Publication Reference

- [Tumor-associated autoantibodies from mouse breast cancer models are found in serum of breast cancer patients.](#)

Sasha E Stanton, Ekram Gad, Erik Ramos, Lauren Corulli, James Annis, Jennifer Childs, Hiroyuki Katayama, Samir Hanash, Jeffrey Marks, Mary L Disis.

NPJ Breast Cancer 2021 May; 7(1):50.

Application: Cap Ab, ELISA, Human, Human serum

- [Thioredoxin-interacting protein regulates protein disulfide isomerases and endoplasmic reticulum stress.](#)

Lee S, Min Kim S, Dotimas J, Li L, Feener EP, Baldus S, Myers RB, Chutkow WA, Patwari P, Yoshioka J, Lee RT.

EMBO Molecular Medicine 2014 Jun; 6(6):732.

Application: Pull-Down, WB-Tr, Human, HEK293TN cells

Disease

- [Disease Progression](#)
- [Disease Susceptibility](#)
- [HIV Infections](#)
- [Tobacco Use Disorder](#)