

Product datasheet for **CF503904**

ERp72 (PDIA4) Mouse Monoclonal Antibody [Clone ID: OTI2E2]

Product data:

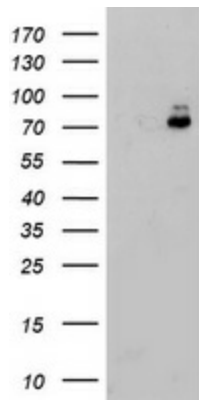
Product Type:	Primary Antibodies
Clone Name:	OTI2E2
Applications:	FC, IF, WB
Recommended Dilution:	WB 1:2000, IF 1:100, FLOW 1:100
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human PDIA4(NP_004902) produced in HEK293T cell.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	72.8 kDa
Gene Name:	protein disulfide isomerase family A member 4
Database Link:	NP_004902 Entrez Gene 12304 Mouse Entrez Gene 116598 Rat Entrez Gene 9601 Human P13667
Synonyms:	ERp-72; ERP70; ERP72
Protein Families:	Druggable Genome, Transmembrane



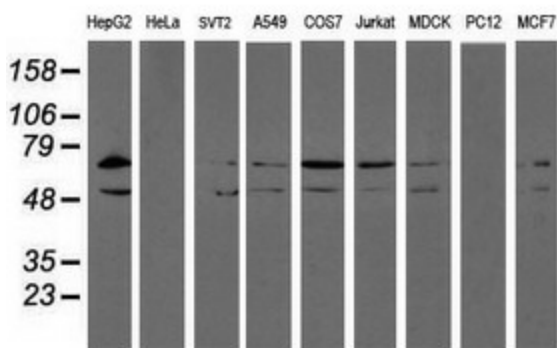
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Protein Pathways: *Vibrio cholerae* infection

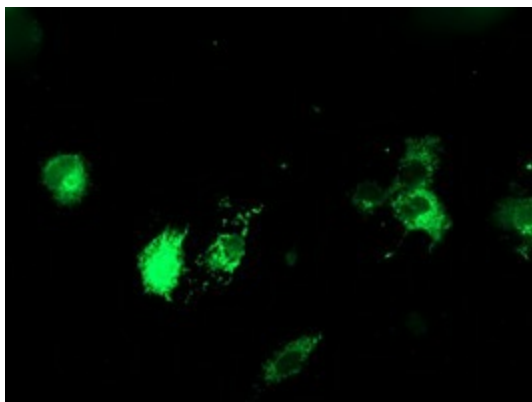
Product images:



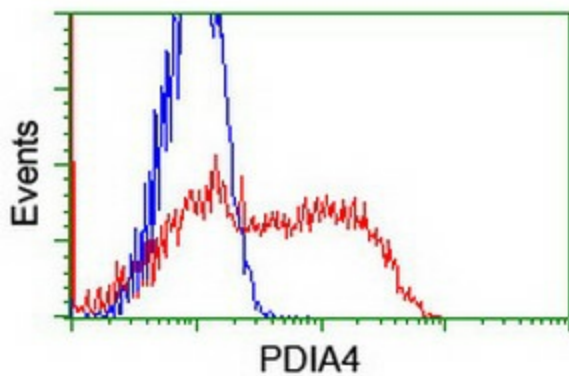
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY PDIA4 ([RC204041], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-PDIA4. Positive lysates [LY401531] (100ug) and [LC401531] (20ug) can be purchased separately from OriGene.



Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-PDIA4 monoclonal antibody (HepG2: human; HeLa: human; SVT2: mouse; A549: human; COS7: monkey; Jurkat: human; MDCK: canine; PC12: rat; MCF7: human).



Anti-PDIA4 mouse monoclonal antibody ([TA503904]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY PDIA4 ([RC204041]).



HEK293T cells transfected with either [RC204041] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-PDIA4 antibody ([TA503904]), and then analyzed by flow cytometry.