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Product datasheet for TA504993S

ERp57 (PDIA3) Mouse Monoclonal Antibody [Clone ID: OTI2D2]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI2D2
Applications:	IF, WB
Recommended Dilution:	WB 1:500, IF 1:100
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human recombinant protein fragment corresponding to amino acids 140-505 of human PDIA3(NP_005304) produced in E.coli.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	1 mg/ml
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:	54.2 kDa
Gene Name:	protein disulfide isomerase family A member 3
Database Link:	NP_005304 Entrez Gene 14827 MouseEntrez Gene 29468 RatEntrez Gene 2923 Human P30101
Background:	This gene encodes a protein of the endoplasmic reticulum that interacts with lectin chaperones calreticulin and calnexin to modulate folding of newly synthesized glycoproteins. The protein was once thought to be a phospholipase; however, it has been demonstrated that the protein actually has protein disulfide isomerase activity. It is thought that complexes of lectins and this protein mediate protein folding by promoting formation of disulfide bonds in their glycoprotein substrates. [provided by RefSeq, Jul 2008]

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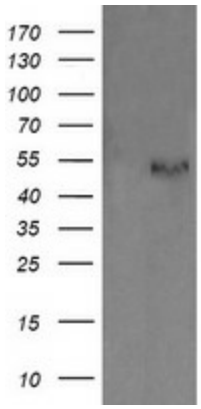
Synonyms: ER60; ERp57; ERp60; ERp61; GRP57; GRP58; HEL-S-93n; HEL-S-269; HsT17083; P58; PI-PLC

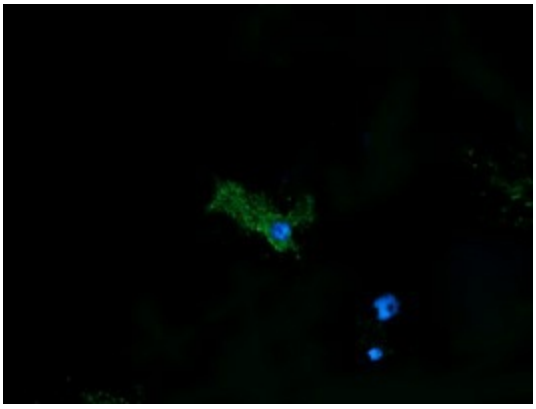
Protein Families: Druggable Genome

Protein Pathways: Antigen processing and presentation

Product images:



HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY PDIA3 ([RC205940], 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-PDIA3. Positive lysates [LY401637] (100ug) and [LC401637] (20ug) can be purchased separately from OriGene.



Anti-PDIA3 mouse monoclonal antibody ([TA504993]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY PDIA3 ([RC205940]).