ARG22213
anti-PDIA3 / ERp57 antibody [MaP.Erp57]

Package: 100 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [Map.ERP57] recognizes PDIA3 / ERp57
Tested Reactivity	Hu, Ms, Rat, Bov, Dog, Gpig, Hm, Mk, Pig, Rb
Tested Application	ICC/IF, IHC-P, IP, WB
Specificity	Detects ~57kDa.
Host	Mouse
Clonality	Monoclonal
Clone	Map.ERP57
Isotype	IgG1
Target Name	PDIA3 / ERp57
Species	Human
Immunogen	Human recombinant ERp57
Conjugation	Un-conjugated
Alternate Names	EC 5.3.4.1; Disulfide isomerase ER-60; HEL-S-93n; GRP57; p58; Endoplasmic reticulum resident protein 60; ER protein 57; ER protein 60; ERp57; GRP58; P58; 58 kDa glucose-regulated protein; 58 kDa microsomal protein; ER60; HEL-S-269; Protein disulfide-isomerase A3; PI-PLC; ERp60; ERp61; HsT17083; Endoplasmic reticulum resident protein 57

Application Instructions

Application table

Application	Dilution
ICC/IF	1:100
IHC-P	1:100
IP	Assay-dependent
WB	1:2000

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

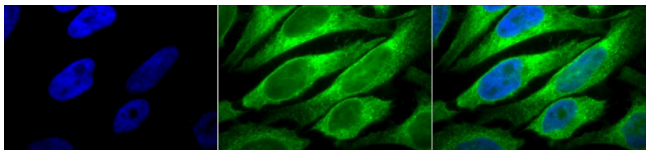
Form	Liquid
Purification	Purification with Protein G.
Buffer	PBS (pH 7.4), 0.09% Sodium azide and 50% Glycerol
Preservative	0.09% Sodium azide
Stabilizer	50% Glycerol

Concentration	1 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

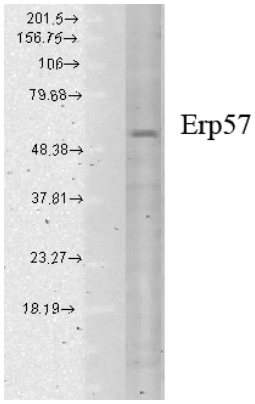
Gene Symbol	PDIA3
Gene Full Name	protein disulfide isomerase family A, member 3
Background	This gene encodes a protein of the endoplasmic reticulum that interacts with lectin chaperones calreticulin and calnexin to modulate folding of newly synthesized glycoproteins. The protein was once thought to be 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]
Highlight	Related products: ERp57 antibodies; Anti-Mouse IgG secondary antibodies; Related poster download: Organelle Markers & Loading Control
Calculated Mw	57 kDa
Cellular Localization	Endoplasmic Reticulum, Endoplasmic reticulum lumen, Melanosome

Images



ARG22213 anti-PDIA3 / ERp57 antibody [MaP.Erp57] ICC/IF image

Immunocytochemistry: 2% Formaldehyde (20 min at RT) fixed Heat Shocked HeLa cells stained with ARG22213 anti-PDIA3 / ERp57 antibody [MaP.Erp57] (green) at 1:100 dilution (12 hours at 4°C). Counterstain: DAPI (blue) nuclear stain at 1:40000 for 120 min at RT. Magnification: 100x. Left: DAPI (blue) nuclear stain, Middle: Primary antibody, Right: Composite.



ARG22213 anti-PDIA3 / ERp57 antibody [MaP.Erp57] WB image

Western blot: Human cell lysates stained with ARG22213 anti-PDIA3 / ERp57 antibody [MaP.Erp57] at 1:1000 dilution.