ARG55369
anti-PDIA3 / ERp57 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes PDIA3 / ERp57
Tested Reactivity	Hu
Tested Application	FACS, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	PDIA3 / ERp57
Species	Human
Immunogen	KLH-conjugated synthetic peptide corresponding to aa. 446-475 (C-terminus) of Human PDIA3.
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
FACS	1:10 - 1:50
IHC-P	1:50 - 1:100
WB	1:1000

Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.
Positive Control	A2058

Properties

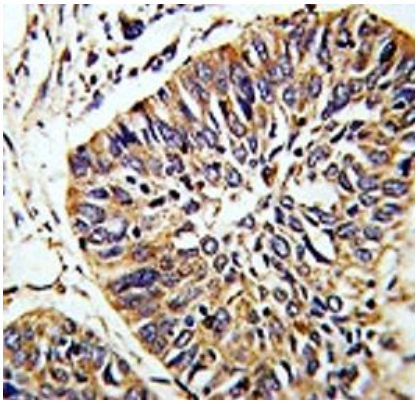
Form	Liquid
Purification	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Buffer	PBS and 0.09% (W/V) Sodium azide
Preservative	0.09% (W/V) Sodium azide
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. 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

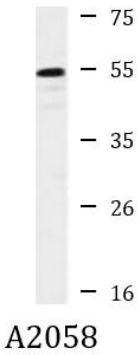
Database links	GeneID: 2923 Human Swiss-port # P30101 Human
Gene Symbol	PDIA3
Gene Full Name	protein disulfide isomerase family A, member 3
Background	This gene encodes a protein of the endoplasmic reticulum that interacts with lectin chaperones calreticulin and calnexin to modulate folding of newly 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]
Research Area	Signaling Transduction antibody
Calculated Mw	57 kDa
Cellular Localization	Endoplasmic reticulum. Endoplasmic reticulum lumen. Melanosome. Note=Identified by mass spectrometry in melanosome fractions from stage I to stage IV

Images



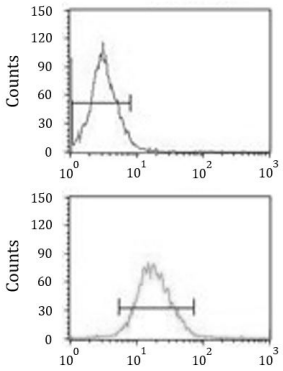
ARG55369 anti-PDIA3 / ERp57 antibody IHC-P image

Immunohistochemistry: Formalin-fixed and paraffin-embedded Human lung carcinoma stained with ARG55369 anti-PDIA3 / ERp57 antibody.



ARG55369 anti-PDIA3 / ERp57 antibody WB image

Western blot: 35 µg of A2058 cell lysate stained with ARG55369 anti-PDIA3 / ERp57 antibody.



ARG55369 anti-PDIA3 / ERp57 antibody FACS image

Flow Cytometry: NCI-H292 cells stained with ARG55369 anti-PDIA3 / ERp57 antibody (bottom histogram) or without primary antibody control (top histogram), followed by incubation with FITC labelled secondary antibody.