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ARG43712
anti-Mesothelin antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes Mesothelin
Tested Reactivity	Ms
Tested Application	IP, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	Mesothelin
Species	Mouse
Immunogen	Purified recombinant fragment corresponding to Mouse Mesothelin.
Conjugation	Un-conjugated
Alternate Names	MPF; Mesothelin; CAK1 antigen; Pre-pro-megakaryocyte-potentiating factor; SMRP

Application Instructions

Application table

Application	Dilution
IP	1:10 - 1:30
WB	1:500 - 1:2000

Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.
Positive Control	NIH3T3, Mouse lung
Observed Size	70 kDa, 40 kDa (cleaved)

Properties

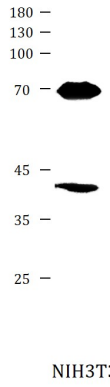
Form	Liquid
Purification	Affinity purified.
Buffer	50 mM Tris-Glycine (pH 7.4), 150 mM NaCl, 0.01% Sodium azide, 40% Glycerol and 0.05% BSA.
Preservative	0.01% Sodium azide
Stabilizer	40% Glycerol and 0.05% BSA
Concentration	Batch dependent
Storage instruction	For continuous use, store undiluted antibody 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

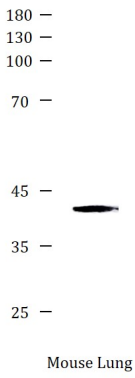
Gene Symbol	Msln
Gene Full Name	mesothelin
Background	This gene encodes a precursor protein that is cleaved into two products, megakaryocyte potentiating factor and mesothelin. Megakaryocyte potentiation factor functions as a cytokine that can stimulate colony formation in bone marrow megakaryocytes. Mesothelian is a glycosylphosphatidylinositol-anchored cell-surface protein that may function as a cell adhesion protein. This protein is overexpressed in epithelial mesotheliomas, ovarian cancers and in specific squamous cell carcinomas. Alternative splicing results in multiple transcript variants.[provided by RefSeq, Apr 2010]
Function	Membrane-anchored forms may play a role in cellular adhesion. Megakaryocyte-potentiating factor (MPF) potentiates megakaryocyte colony formation in vitro. [UniProt]
Calculated Mw	69 kDa
PTM	Both MPF and the cleaved form of mesothelin are N-glycosylated. Proteolytically cleaved by a furin-like convertase to generate megakaryocyte-potentiating factor (MPF), and the cleaved form of mesothelin. [UniProt]
Cellular Localization	Cell membrane, Golgi apparatus, Membrane, Secreted

Images



ARG43712 anti-Mesothelin antibody WB image

Western blot: NIH3T3 cell lysate stained with ARG43712 anti-Mesothelin antibody.



ARG43712 anti-Mesothelin antibody WB image

Western blot: Mouse lung tissue lysate stained with ARG43712 anti-Mesothelin antibody.