ARG56103
anti-MVP / LRP antibody [1014]

Package: 50 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [1014] recognizes MVP / LRP
Tested Reactivity	Hu
Tested Application	ICC/IF, WB
Host	Mouse
Clonality	Monoclonal
Clone	1014
Isotype	IgG1, kappa
Target Name	MVP / LRP
Species	Human
Immunogen	Proteins precipitated from Human breast cancer MCF-7 cells.
Conjugation	Un-conjugated
Alternate Names	MVP; LRP; VAULT1; Lung resistance-related protein; Major vault protein

Application Instructions

Application table

Application	Dilution
ICC/IF	2 - 5 µg/ml
WB	1 - 2 µg/ml

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), 0.05% Sodium azide and 0.1 mg/ml BSA
Preservative	0.05% Sodium azide
Stabilizer	0.1 mg/ml BSA
Concentration	0.2 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 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: 9961 Human Swiss-port # Q14764 Human
Gene Symbol	MVP
Gene Full Name	major vault protein
Background	This gene encodes the major component of the vault complex. Vaults are multi-subunit ribonucleoprotein structures that may be involved in nucleo-cytoplasmic transport. The encoded protein may play a role in multiple cellular processes by regulating the MAP kinase, JAK/STAT and phosphoinositide 3-kinase/Akt signaling pathways. The encoded protein also plays a role in multidrug resistance, and expression of this gene may be a prognostic marker for several types of cancer. Alternatively spliced transcript variants have been observed for this gene. [provided by RefSeq, May 2012]
Function	Required for normal vault structure. Vaults are multi-subunit structures that may act as scaffolds for proteins involved in signal transduction. Vaults may also play a role in nucleo-cytoplasmic transport. Down-regulates INFG-mediated STAT1 signaling and subsequent activation of JAK. Down-regulates SRC activity and signaling through MAP kinases. [UniProt]
Calculated Mw	99 kDa
PTM	Phosphorylated on Tyr residues after EGF stimulation. Dephosphorylated by PTPN11.
Cellular Localization	Cytoplasmic