

KD-Validated Anti-Major Vault Protein Rabbit Monoclonal Antibody

Rabbit monoclonal antibody
Catalog # AGI1607

Product Information

Application	WB, FC, ICC
Primary Accession	Q14764
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Names	24GB465
Calculated MW	99327
Gene Name	MVP
Aliases	Major Vault Protein; LRP; Lung Resistance-Related Protein; VAULT1; Testicular Secretory Protein Li 30
Immunogen	A synthesized peptide derived from human MVP

Additional Information

Gene ID	9961
Other Names	Major vault protein, MVP, Lung resistance-related protein, MVP, LRP

Protein Information

Name	MVP
Synonyms	LRP
Function	Structural component of the vault particle, which is a massive ribonucleoprotein complex that may play a role in cargo transport and signal transduction (PubMed: 40691181). Oligomerizes to form a cage-like vault complex, which can house several minor vault components including PARP4 (PubMed: 40691181). Vaults may play a role in nucleo-cytoplasmic transport (PubMed: 15133037). Down-regulates IFNG- mediated STAT1 signaling and subsequent activation of JAK (PubMed: 16418217). Down-regulates SRC activity and signaling through MAP kinases (PubMed: 16441665).
Cellular Location	Cytoplasm. Nucleus, nuclear pore complex. Cytoplasm, perinuclear region. Note=5% found in the nuclear pore complex (PubMed: 15133037). Translocates from the nucleus to the cytoplasm upon EGF treatment (PubMed: 16441665)
Tissue Location	Present in most normal tissues. Higher expression observed in epithelial cells with secretory and excretory functions, as well as in cells chronically exposed

to xenobiotics, such as bronchial cells and cells lining the intestine.
Overexpressed in many multidrug- resistant cancer cells

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