

Anti-MVP Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

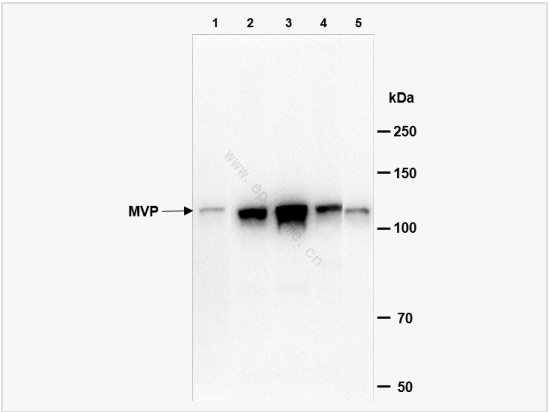
Catalog # R011838

Product Information

Application	ELISA, WB, IF (Cell)/ICC
Reactivity	Human
Dilution	WB 1:1,000~1:2,000; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	73K30L74
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human MVP
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-MVP Rabbit mAb [73K30L74] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	LRP, Lung resistance related protein, Lung resistance-related protein, Major vault protein, Major vault protein, rat, homolog of, MVP, MVP_HUMAN, testicular secretory protein Li 30, VAULT 1, VAULT1.
Calculated MW	Calculated MW: 99 kDa; Observed MW: 110 kDa
Uniprot ID	Q14764
Gene ID	9961
Background	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.
Cellular Location	Cytoplasm. Nucleus > nuclear pore complex. 5% found in the nuclear pore complex. Translocates from the nucleus to the cytoplasm upon EGF treatment.
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.



Western Blot - Anti-MVP Rabbit mAb [73K30L74]

All lanes: R011838 at 1:1,000 dilution

Lane 1: MCF7 (human breast adenocarcinoma epithelial cell) whole cell lysates

Lane 2: HCT116 (human colorectal carcinoma epithelial cell) whole cell lysates

Lane 3: T24 (human bladder cancer epithelial cell) whole cell lysates

Lane 4: HepG2 (human hepatocellular carcinoma epithelial cell) whole cell lysates

Lane 5: SW620 (human colorectal carcinoma epithelial cell) whole cell lysates

Lane 6: U2OS (human osteosarcoma epithelial cell) whole cell lysates

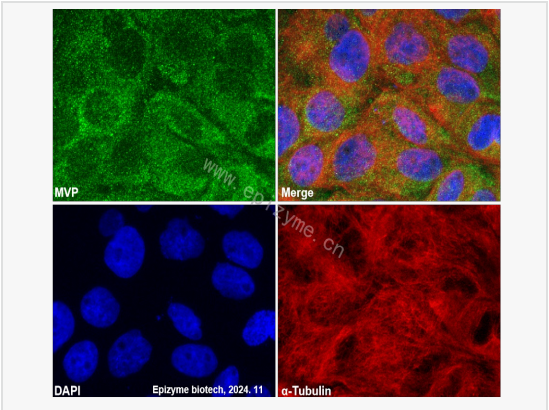
Lysates/proteins at 10 µg per lane.

Secondary antibody: Goat Anti-Rabbit IgG(H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution

Predicted band size: 99 kDa

Observed band size: 110 kDa

Developed using the ECL technique (Cat. No. SQ201).



Immunofluorescence - Anti-MVP Rabbit mAb [73K30L74]

Sample: A431 cells

The cells were fixed with 4% paraformaldehyde (10 min), permeabilized with 0.5% Triton X-100 for 10 minutes and then blocked with 5% BSA in 0.1% PBS-Tween for 0.5 hours.

Primary antibodies: R011838 at 1:100 dilution and α -tubulin Mouse Monoclonal

Antibody (Cat. No. LF209) at 1:100 dilution

Secondary antibodies: Goat anti-Rabbit (488) at 1:1,000 dilution (shown in green) and

Goat anti-Mouse (555) at 1:1,000 dilution (shown in red)

Nuclei were stained with DAPI (shown in blue).