

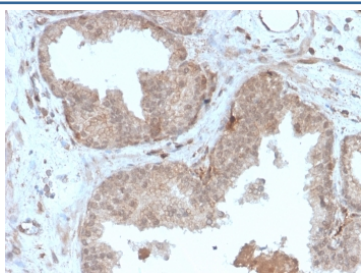
Recombinant MVP Antibody / Major Vault Protein [clone r1032] (V4405)

Catalog No.	Formulation	Size
V4405-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V4405-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V4405SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

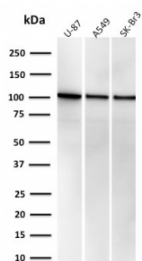
Recombinant **MOUSE MONOCLONAL**

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Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Recombinant Mouse Monoclonal
Isotype	Mouse IgG1, kappa
Clone Name	r1032
Purity	Protein A/G affinity
UniProt	Q14764
Localization	Cytoplasm
Applications	Western Blot : 1-2ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml for 30 minutes at RT
Limitations	This recombinant MVP antibody is available for research use only.



IHC staining of FFPE human prostate tissue with recombinant MVP antibody (clone r1032). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



Western blot testing of human U-87, A549 and SK-BR-3 cell lysate with recombinant MVP antibody (clone r1032). Expected molecular weight: 104-110 kDa.

Description

Recognizes a protein of 104kDa-110kDa, characterized as major vault protein (MVP). Vaults are large ribonucleoprotein particles (RNPs) present in all eukaryotic cells. They have a complex morphology, including several small molecules of RNA, but a single protein species. The MVP accounts for >70% of their mass. Their shape is reminiscent of the nucleopore central plug. Treatment of cells with estradiol increases the amount of MVP in nuclear extract. The hormone-dependent interaction of vaults with ER is prevented in vitro by sodium molybdate. Antibodies to estrogen, progesterone and glucocorticoid receptors are able to co-immunoprecipitate the MVP. MVP is overexpressed in many neoplastic tissues and cell lines. Expression of MVP predicts a poor response to chemotherapy.

Application Notes

Optimal dilution of the recombinant MVP antibody should be determined by the researcher.

Immunogen

Proteins precipitated from human breast cancer MCF-7 cells were used as the immunogen for the recombinant MVP antibody.

Storage

Aliquot the recombinant MVP antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.