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MVP Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant MVP.
Catalog # AT2941a

Product Information

Application	WB, IHC, IF, E
Primary Accession	Q14764
Other Accession	BC015623
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a kappa
Clone Names	2H3-1A6
Calculated MW	99327

Additional Information

Gene ID	9961
Other Names	Major vault protein, MVP, Lung resistance-related protein, MVP, LRP
Target/Specificity	MVP (AAH15623, 1 a.a. ~ 893 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 IHC~~1:100~500 IF~~1:50~200 E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	MVP Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

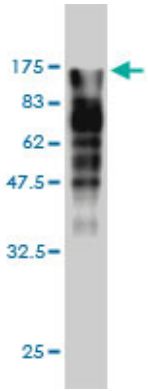
This gene encodes the major vault protein which is a lung resistance-related protein. Vaults are multi-subunit structures that may be involved in nucleo-cytoplasmic transport. This protein mediates drug resistance, perhaps via a transport process. It is widely distributed in normal tissues, and overexpressed in multidrug-resistant cancer cells. The protein overexpression is a potentially useful marker of clinical drug resistance. This gene produces two transcripts by using two alternative exon 2 sequences; however, the open reading frames are the same in both transcripts.

References

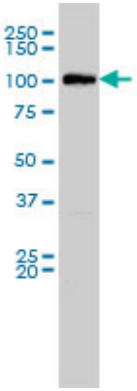
1.p16, Cyclin D1, and HIF-1? Predict Outcomes of Patients with Oropharyngeal Squamous Cell Carcinoma

Treated with Definitive Intensity-Modulated Radiation Therapy.Rahimi AS, Wilson DD, Saylor DK, Stelow EB, Thomas CY, Reibel JF, Levine PA, Shonka DC, Jameson MJ, Read PW.Int J Otolaryngol. 2012;2012:685951. Epub 2012 Jul 24.

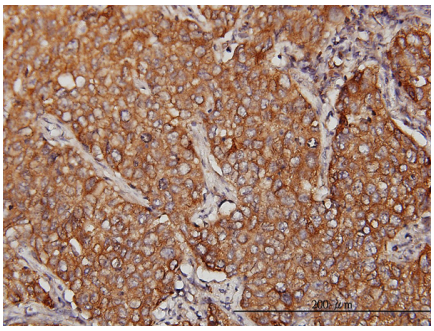
Images



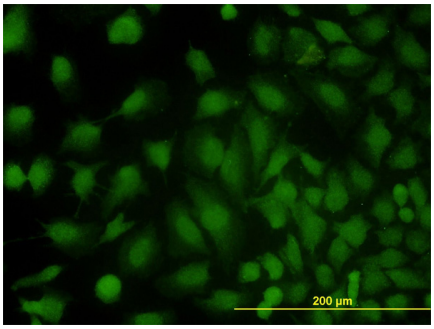
Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (123.97 KDa) .



MVP monoclonal antibody (M01), clone 2H3-1A6 Western Blot analysis of MVP expression in Hela S3 NE ((Cat # AT2941a)

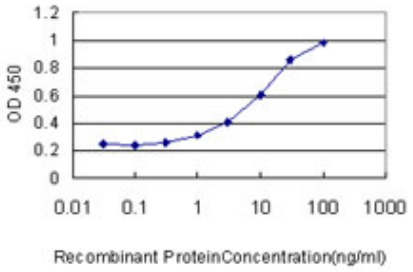


Immunoperoxidase of monoclonal antibody to MVP on formalin-fixed paraffin-embedded human lung, adenosquamous cell carcinoma. [antibody concentration 3 ug/ml]



Immunofluorescence of monoclonal antibody to MVP on HeLa cell. [antibody concentration 10 ug/ml]

Detection limit for recombinant GST tagged MVP is approximately 1ng/ml as a capture antibody.



Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.