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VIL2 Antibody (monoclonal) (M04)

Mouse monoclonal antibody raised against a full-length recombinant VIL2.
Catalog # AT4512a

Product Information

Application	WB, IHC, E
Primary Accession	P15311
Other Accession	BC013903
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2b Kappa
Clone Names	1E12
Calculated MW	69413

Additional Information

Gene ID	7430
Other Names	Ezrin, Cytovillin, Villin-2, p81, EZR, VIL2
Target/Specificity	EZR (AAH13903, 1 a.a. ~ 586 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 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	VIL2 Antibody (monoclonal) (M04) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

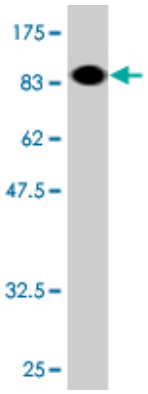
The cytoplasmic peripheral membrane protein encoded by this gene functions as a protein-tyrosine kinase substrate in microvilli. As a member of the ERM protein family, this protein serves as an intermediate between the plasma membrane and the actin cytoskeleton. This protein plays a key role in cell surface structure adhesion, migration and organization, and it has been implicated in various human cancers. A pseudogene located on chromosome 3 has been identified for this gene. Alternatively spliced variants have also been described for this gene.

References

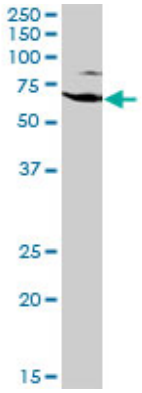
Ezrin immunoreactivity in renal cell carcinomas. Tuna B, et al. Anal Quant Cytol Histol, 2009 Oct. PMID

20701102.Evaluation of candidate stromal epithelial cross-talk genes identifies association between risk of serous ovarian cancer and TERT, a cancer susceptibility hot-spot. Johnatty SE, et al. PLoS Genet, 2010 Jul 8. PMID 20628624.Variation at the NFATC2 Locus Increases the Risk of Thiazolinedinedione-Induced Edema in the Diabetes REduction Assessment with ramipril and rosiglitazone Medication (DREAM) Study. Bailey SD, et al. Diabetes Care, 2010 Jul 13. PMID 20628086.Immunoexpression of Ezrin and CD44 in patients with osteosarcoma. Boldrini E, et al. J Pediatr Hematol Oncol, 2010 Aug. PMID 20562647.Ezrin immunohistochemical expression in chondrosarcomas, osteosarcomas and Ewing sarcoma family of tumors. Machado I, et al. Virchows Arch, 2010 Jul. PMID 20552365.

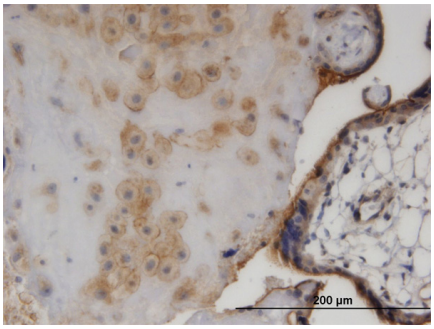
Images



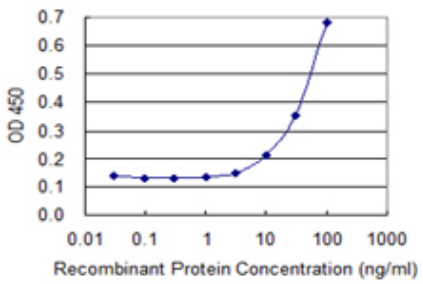
Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (89.98 KDa) .



VIL2 monoclonal antibody (M04), clone 1E11. Western Blot analysis of VIL2 expression in HepG2 ((Cat # AT4512a)

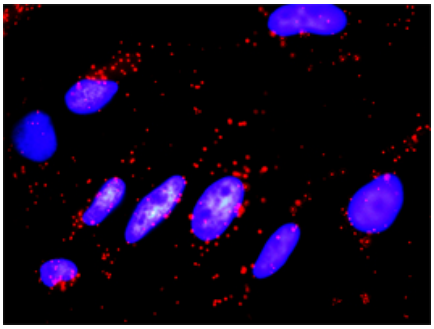


Immunoperoxidase of monoclonal antibody to EZR on formalin-fixed paraffin-embedded human placenta. [antibody concentration 3 ug/ml]



Detection limit for recombinant GST tagged EZR is 3 ng/ml as a capture antibody.

Proximity Ligation Analysis of protein-protein interactions



between FADD and EZR. HeLa cells were stained with anti-FADD rabbit purified polyclonal 1:1200 and anti-EZR mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).

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