

VIL2 Antibody (monoclonal) (M04)

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

Catalog # AT4512a

Specification

VIL2 Antibody (monoclonal) (M04) - Product Information

Application	WB, IHC, E
Primary Accession	P15311
Other Accession	BC013903
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG2b Kappa
Calculated MW	69413

VIL2 Antibody (monoclonal) (M04) - 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

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.

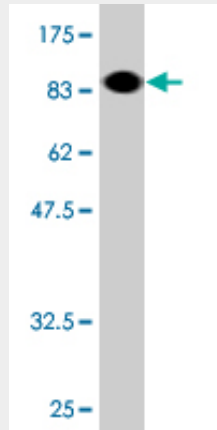
VIL2 Antibody (monoclonal) (M04) - Protocols

Provided below are standard protocols that you may find useful for product applications.

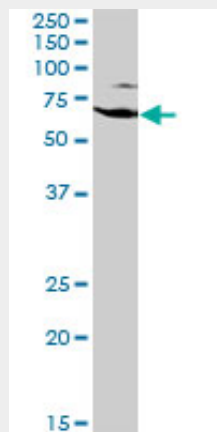
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)

- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

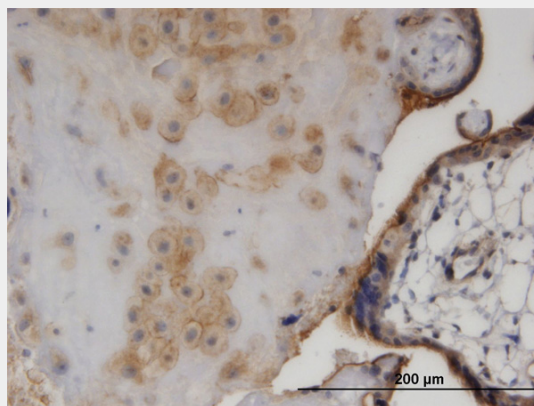
VIL2 Antibody (monoclonal) (M04) - Images



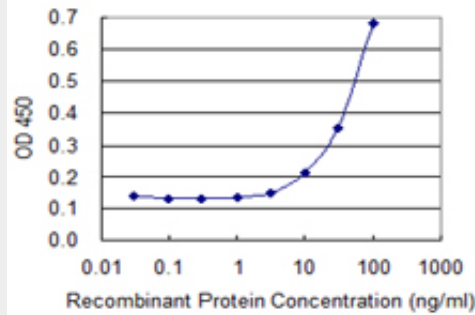
Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (89.98 KDa) .



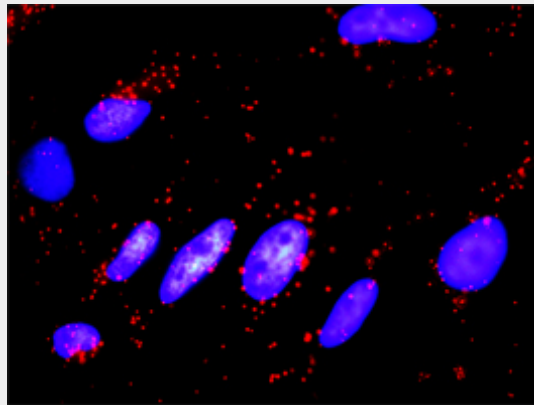
VIL2 monoclonal antibody (M04), clone 1E11. Western Blot analysis of VIL2 expression in HepG2 (Cat # AT4512a)



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).

VIL2 Antibody (monoclonal) (M04) - 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.

VIL2 Antibody (monoclonal) (M04) - 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 Thiazolinedione-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.