Mouse Villin Monoclonal Antibody | anti-VIL1 antibody

Villin (GI-Mucosal & Urogenital Brush Border Marker)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA214554	**Mouse**	**Human. Others not known.**	**Immunohistochemistry, Western Blot, Immunofluorescence, Flow Cytometry, Functional Assay**

PRODUCT SYNONYMS

Villin; Monoclonal Antibody; Villin (GI-Mucosal & Urogenital Brush Border Marker); VIL1; Villin-1; Villin1; anti-VIL1 antibody

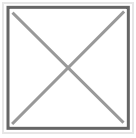
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human. Others not known.
Clonality	Monoclonal
Isotype	IgG1, kappa
Clone Number	VIL1/1325
Specificity	Recognizes a protein of 95kDa, which is identified as villin. It is a major constituent in the microvilli, which compose the brush border of epithelial cells forming absorptive surfaces of the intestinal and renal proximal tubular epithelia. Anti-Villin labels the brush border area in the gastrointestinal mucosal epithelium and urogenital tract. Among neoplasms, villin is predominantly expressed in tumors of colorectal origin. Antibody to villin is useful in identifying malignant cells from primary and metastatic colorectal carcinomas. This antibody also labels Merkel cells of the skin.
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Sequence Length	827
Applicable Applications for anti-VIL1 antibody	IHC (Immunohistochemistry), WB (Western Blot), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Immunogen	Recombinant human Villin fragment of 133 amino acid residues (aa179-311)
Cellular Localization	Cytoplasmic & Cell Surface
Hu-chromosome Location	2q35
Positive Control	A549, HepG2 and HCT116 cells. Colon or Rectum.
Preparation and Storage	Antibody with azide - store at 2 to 8 degree C. Antibody without azide - store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES

WB (Western Blot)
Western Blot of A549, HepG2 & HCT116 Cell Lysates with Villin Monoclonal Antibody (VIL1/1325).

IHC (Immunohiostchemistry)
Formalin-fixed, paraffin-embedded human Colon stained with Villin Monoclonal Antibody (VIL1/1325).



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Rectum stained with Villin Monoclonal Antibody (VIL1/1325).

ADDITIONAL INFORMATION

References	West BA, Isaac CA, Carboni JM, Morrow JS, Mooseker MS, Barwick KW. Localization of villin, a cytoskeletal protein specific to microvilli, in human ileum and colon and in colonic neoplasms. Gastroenterology. 1988; 94:343-52. Bacchi CE, Gown AM. Distribution and pattern of expression of villin, a gastrointestinal-associated cytoskeletal protein, in human carcinomas: a study employing paraffin-embedded tissue. Lab Invest. 1991; 64:418-24.

NCBI AND UNIPROT INFORMATION

NCBI GI #	194394237
NCBI GeneID	7429
NCBI Accession #	NP_009058.2
NCBI GenBank Nucleotide #	NM_007127.2
UniProt Accession #	P09327; Q53S11; Q96AC8; B2R9A7
Molecular Weight	93kDa
NCBI Official Full Name	villin-1
NCBI Official Synonym Full Names	villin 1
NCBI Official Symbol	VIL1
NCBI Official Synonym Symbols	VIL; D2S1471
NCBI Protein Information	villin-1
UniProt Protein Name	Villin-1
UniProt Gene Name	**VIL1**
UniProt Synonym Gene Names	VIL

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/monoclonal/villin-antibody-clone-vil1-1325-immunohistochemistry-western-blot-immunofluorescence-flow-cytometry-elisa/214554