

Villin Polyclonal Antibody | anti-VIL1 antibody

Anti-Villin Antibody

CATALOG # AAA46536	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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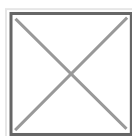
PRODUCT SYNONYMS

Villin; Polyclonal Antibody; Anti-Villin Antibody; Villin-1; D2S1471; OTTHUMP00000164145; VIL; VIL1; VILI_HUMAN; Villin 1; Villin1; villin 1; anti-VIL1 antibody

PRODUCT SPECIFICATIONS

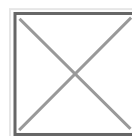
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized. Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Sequence Length	827
Applicable Applications for anti-VIL1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human Villin (770-799 aa EQLVNKPVEELPEGVDPSRKEEHLSIEDFT), different from the related mouse sequence by three amino acids.
Ig Type	Rabbit IgG
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquoted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



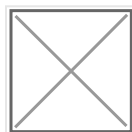
IHC (Immunohistochemistry)

Anti- Villin Picoband antibody, AAA46536,IHC(P)IHC(P): Human Intestinal Cancer Tissue



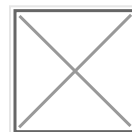
IHC (Immunohistochemistry)

Anti- Villin Picoband antibody, AAA46536,IHC(P)IHC(P): Rat Intestine Tissue



IHC (Immunohistochemistry)

Anti- Villin Picoband antibody, AAA46536,IHC(P)IHC(P): Mouse Intestine Tissue



WB (Western Blot)

Anti- Villin Picoband antibody, AAA46536, Western blottingAll lanes: Anti Villin (AAA46536) at 0.5ug/mlLane 1: Rat Intestine Tissue Lysate at 50ugLane 2: Mouse Kidney Tissue Lysate at 50ugLane 3: RH35 Whole Cell Lysate at 40ugLane 4: HEPG2 Whole Cell Lysate at 40ugLane 5: MCF-7 Whole Cell Lysate at 40ugPredicted bind size: 93KDObserved bind size: 93KD

ADDITIONAL INFORMATION

Related Product Information for anti-VIL1 antibody	Description: Rabbit IgG polyclonal antibody for Villin-1(VIL1) detection. Tested with WB, IHC-P in Human;Mouse;Rat. Background: Villin is known as VIL1. This gene encodes a member of a family of calcium-regulated actin-binding proteins. This protein represents a dominant part of the brush border cytoskeleton which functions in the capping, severing, and bundling of actin filaments. Two mRNAs of 2.7 kb and 3.5 kb have been observed; they result from utilization of alternate poly-adenylation signals present in the terminal exon. In vertebrates, the villin proteins help to support the microfilaments of the microvilli of the brush border. It may play a role in cell plasticity through F-actin severing.
References	1. Friederich, E; Vancompernelle, K; Louvard, D; Vandekerckhove, J (1999). "Villin function in the organization of the actin cytoskeleton. Correlation of in vivo effects to its biochemical activities in vitro". The Journal of Biological Chemistry274 (38): 26751-60. 2. Meng, J; Vardar, D; Wang, Y; Guo, HC; Head, JF; McKnight, CJ (2005). "High-resolution crystal structures of villin headpiece and mutants with reduced F-actin binding activity". Biochemistry 44 (36): 11963-73.

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	46,567 Da
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
UniProt Entry Name	VILI_HUMAN

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/polyclonal/villin-antibody-immunohistochemistry-western-blot-elisa/46536>