Recombinant Villin (GI-Mucosal & Urogenital Brush Border Marker) Antibody

Mouse Monoclonal Antibody [Clone rVIL1/1325]

Catalog No	Format	Size
7429-MSM5-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
7429-MSM5-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
7429-MSM5-P1ABX	Purified Ab WITHOUT BSA or Azide at 1.0mg/ml	100 ug

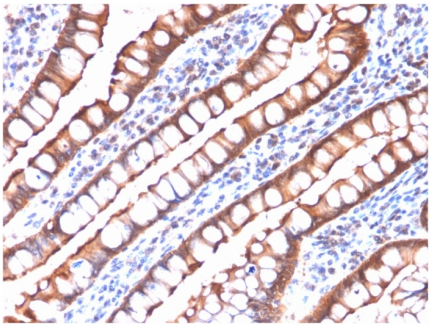
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

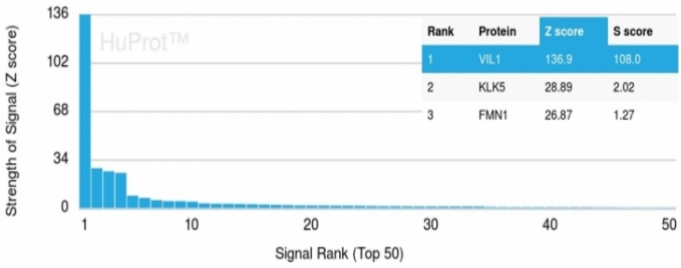
Clone	rVIL1/1325
Immunogen	Recombinant fragment (around aa179-311) of the human Villin protein (exact sequence is proprietary)
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	92.69kDa
Cellular Localization	Cell projection, Cytoplasm, Cytoskeleton, Filopodium, Filopodium tip, Lamellipodium, Microvillus, Ruffle
Species Reactivity	Human
Positive Control	A549, HepG2 and HCT116 cells. Colon or Rectum. COLO38.

**Optimal dilution for a specific application should be determined.*

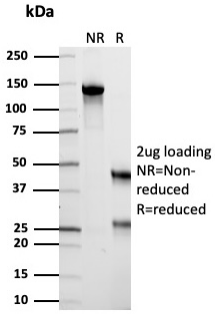
Product Images for Recombinant Villin (GI-Mucosal & Urogenital Brush Border Marker) Antibody



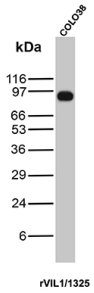
Formalin-fixed, paraffin-embedded human Small Intestinal Carcinoma stained with Villin-Monospecific Recombinant Mouse Monoclonal Antibody (rVIL1/1325).



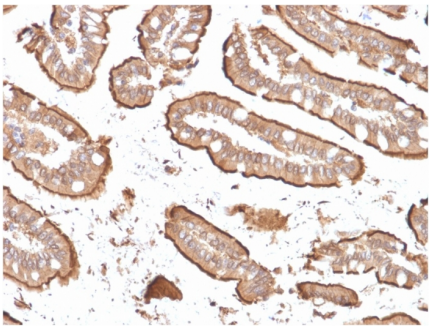
Analysis of Protein Array containing more than 19,000 full-length human proteinsusing Villin-Monospecific Recombinant Mouse Monoclonal Antibody (rVIL1/1325) Z- and S-Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProtTM array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProtTM are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.



SDS-PAGE Analysis of Purified Villin-1 Recombinant Mouse Monoclonal Antibody (rVIL1/1325). Confirmation of Purity and Integrity of Antibody.



Western Blot Analysis of COLO38 cell lysate using Villin Mouse Recombinant Monoclonal Antibody (rVIL1/1325).



Formalin-fixed, paraffin-embedded human Small Intestinal Carcinoma stained with Villin-Monospecific Recombinant Mouse Monoclonal Antibody (rVIL1/1325).

Specificity & Comments

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.

Supplied As

200ug/ml of Ab produced in a mammalian-based expression system. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.