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

Rabbit Monoclonal Antibody [Clone MSVA-459R]

Catalog No	Format	Size
7429-RBM12-P0	Purified Ab with BSA and Azide	20 ug
7429-RBM12-P1	Purified Ab with BSA and Azide	100 ug

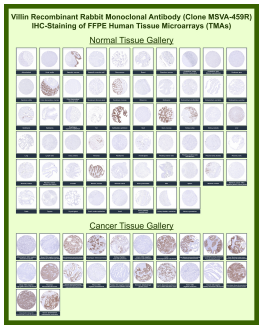
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1:100-1:200	Manual Protocol: Freshly cut sections should be used (less than 10 days between cutting and staining). Heat-induced antigen retrieval for 5 minutes in an autoclave at 121°C in pH 7.8 Target Retrieval Solution buffer. Apply the antibody at a dilution of 1:150 at 37°C for 60 minutes. Visualization of bound antibody by the EnVision Kit (Dako, Agilent) according to the manufacturer's directions.

Product Details

Clone	MSVA-459R
Immunogen	Recombinant fragment (around aa600-700) of human Villin protein (exact sequence is proprietary)
Host	Rabbit
Clonality	Monoclonal
Isotype / Light Chain	IgG / Kappa
Mol. Weight of Antigen	93kDa
Cellular Localization	Cell projection, Cytoplasm, Cytoskeleton, Filopodium, Filopodium tip, Lamellipodium, Microvillus, Ruffle
Species Reactivity	Human
Positive Control	Colon: A moderate to strong villin staining with predominance of the apical membrane should be seen in all epithelial cells. Liver: A weak to moderate staining of the apical pole of hepatocytes should be seen.

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

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



Villin-1 Rabbit Recombinant Monoclonal Antibody (MSVA-459R) tested on many normal and cancer tissues. The immunohistochemistry staining in these tissues aligns with the expression data in Human Protein Atlas.

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

Ab produced in HEK293 cell mammalian-based expression system. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide.

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.

Research Areas

Cardiovascular

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.