

# Product Datasheet

## Villin 1 Antibody (VIL1/2376) - Azide and BSA Free NBP3-08928

Unit Size: 100 ug

Store at -20 to -80C. Avoid freeze-thaw cycles.

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**NBP3-08928**

Villin 1 Antibody (VIL1/2376) - Azide and BSA Free

| Product Information     |                                                 |
|-------------------------|-------------------------------------------------|
| Unit Size               | 100 ug                                          |
| Concentration           | 1 mg/ml                                         |
| Storage                 | Store at -20 to -80C. Avoid freeze-thaw cycles. |
| Clonality               | Monoclonal                                      |
| Clone                   | VIL1/2376                                       |
| Preservative            | No Preservative                                 |
| Isotype                 | IgG1 Kappa                                      |
| Purity                  | Protein A or G purified                         |
| Buffer                  | 10 mM PBS                                       |
| Target Molecular Weight | 93 kDa                                          |

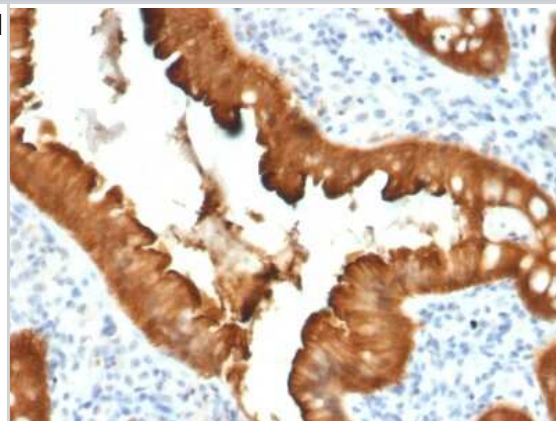
| Product Description     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Description             | 1.0 mg/ml of antibody purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS WITHOUT BSA & azide. Also available at 200 ug/ml WITH BSA & azide (NBP3-07183).<br><br>Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C.                                                                                                                                                                                                                                                                                                                                     |
| Host                    | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Gene ID                 | 7429                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Gene Symbol             | VIL1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Species                 | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Marker                  | GI-Mucosal & Urogenital Brush Border Marker                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Specificity/Sensitivity | 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. |
| Immunogen               | A recombinant fragment (around aa 179-311) of human Villin 1 protein (exact sequence is proprietary) (Uniprot: P09327)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

| Product Application Details |                                                                                                                                                                                                                                         |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Applications                | Immunohistochemistry-Paraffin                                                                                                                                                                                                           |
| Recommended Dilutions       | Immunohistochemistry-Paraffin 1-2 ug/ml                                                                                                                                                                                                 |
| Application Notes           | Immunohistochemistry Formalin-fixed: 1-2ug/ml for 30 minutes at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95C followed by cooling at RT for 20 minutes. |



## Images

Immunohistochemistry-Paraffin: Villin 1 Antibody (VIL1/2376) - Azide and BSA Free [NBP3-08928] - Formalin-fixed, paraffin-embedded human Colon Carcinoma stained with Villin 1 Mouse Monoclonal Antibody (VIL1/2376).





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### **Products Related to NBP3-08928**

|                    |                                                         |
|--------------------|---------------------------------------------------------|
| HAF007             | Goat anti-Mouse IgG Secondary Antibody [HRP]            |
| NB720-B            | Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin] |
| NBP1-43319-0.5mg   | Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)           |
| H00007429-P01-10ug | Recombinant Human Villin 1 GST (N-Term) Protein         |

### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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