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Datasheet for ABIN7193582  
**anti-Vimentin antibody (AA 2-466)**

7 Images

Overview

Quantity:	0.1 mg
Target:	Vimentin (VIM)
Binding Specificity:	AA 2-466
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Clonality:	Monoclonal
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Flow Cytometry (FACS)

Product Details

Immunogen:	Purified recombinant fragment of human VIM (AA: 2-466) expressed in E. coli.
Clone:	3A1F2
Isotype:	IgG2a
Purification:	purified

Target Details

Target:	Vimentin (VIM)
Alternative Name:	VIM ( <a href="#">VIM Products</a> )
Background:	This gene encodes a type III intermediate filament protein. Intermediate filaments, along with microtubules and actin microfilaments, make up the cytoskeleton. The encoded protein is responsible for maintaining cell shape and integrity of the cytoplasm, and stabilizing cytoskeletal interactions. This protein is involved in neuritogenesis and cholesterol transport

## Target Details

and functions as an organizer of a number of other critical proteins involved in cell attachment, migration, and signaling. Bacterial and viral pathogens have been shown to attach to this protein on the host cell surface. Mutations in this gene are associated with congenital cataracts in human patients.

Molecular Weight: 53.7 kDa

Gene ID: 7431

Pathways: [Caspase Cascade in Apoptosis](#)

## Application Details

Application Notes: WB:1:500 - 1:2000, IHC:1:200 - 1:1000, FCM:1:200 - 1:400, ELISA:1:10000,

Restrictions: For Research Use only

## Handling

Buffer: Purified antibody in PBS with 0.05 % sodium azide

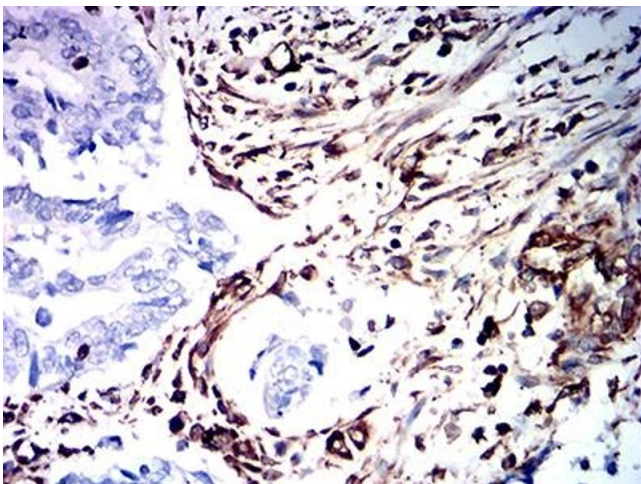
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C/-20 °C

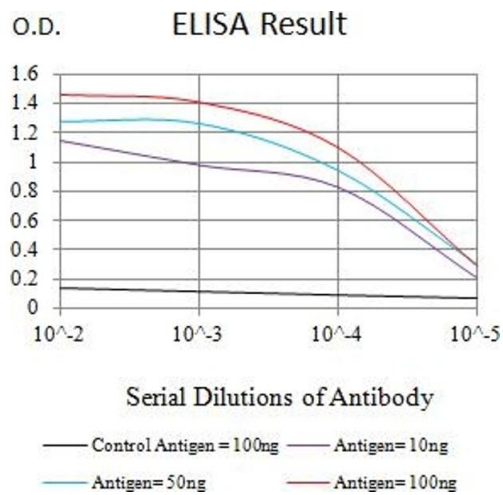
Storage Comment: 4°C, -20°C for long term storage

## Images



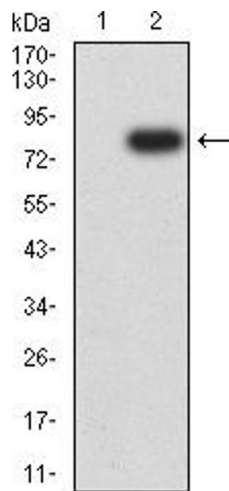
### Immunohistochemistry

**Image 1.** Immunohistochemical analysis of paraffin-embedded rectum cancer tissues using VIM mouse mAb with DAB staining.



**ELISA**

**Image 2.** Black line: Control Antigen (100 ng), Purple line: Antigen (10 ng), Blue line: Antigen (50 ng), Red line: Antigen (100 ng)



**Western Blotting**

**Image 3.** Western blot analysis using VIM mAb against HEK293 (1) and VIM (AA: 2-466)-hlgGFc transfected HEK293 (2) cell lysate.

Please check the [product details page](#) for more images. Overall 7 images are available for ABIN7193582.