

Datasheet for ABIN1881993

anti-Vimentin antibody[Go to Product page](#)**7** Images**3** Publications

Overview

Quantity:	400 µL
Target:	Vimentin (VIM)
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Vimentin antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This Vimentin antibody is generated from rabbits immunized with human Vimentin recombinant protein.
Clone:	RB41034
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	Vimentin (VIM)
Alternative Name:	Vimentin (VIM Products)
Background:	This gene encodes a member of the intermediate filament family. Intermediate filamentents, along with microtubules and actin microfilaments, make up the cytoskeleton. The protein

Target Details

encoded by this gene is responsible for maintaining cell shape, integrity of the cytoplasm, and stabilizing cytoskeletal interactions. It is also involved in the immune response, and controls the transport of low-density lipoprotein (LDL)-derived cholesterol from a lysosome to the site of esterification. It functions as an organizer of a number of critical proteins involved in attachment, migration, and cell signaling. Mutations in this gene causes a dominant, pulverulent cataract.

Molecular Weight: 53652

NCBI Accession: [NP_003371](#)

UniProt: [P08670](#)

Pathways: [Caspase Cascade in Apoptosis](#)

Application Details

Application Notes: IF: 1:50. IF: 1:50. IF: 1:50. WB: 1:4000. WB: 1:2000. IHC-P-Leica: 1:500. IHC-P-Leica: 1:500

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) 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

Expiry Date: 6 months

Publications

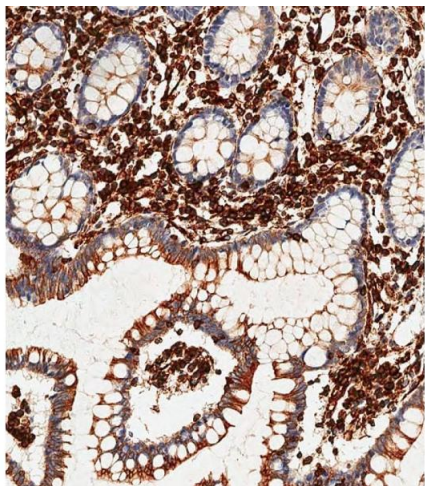
Product cited in: Fuechsle, Mahapatra, Zwanenburg, Friesen, Eriksson, Simmons: "Spectroscopy of few-electron single-crystal silicon quantum dots." in: **Nature nanotechnology**, Vol. 5, Issue 7, pp. 502-5, (2010) ([PubMed](#)).

Li, Zhang, Sun, Wang, Ban, Sun, Liu, Zhao: "A novel function for vimentin: the potential biomarker for predicting melanoma hematogenous metastasis." in: **Journal of experimental & clinical**

cancer research : CR, Vol. 29, pp. 109, (2010) ([PubMed](#)).

Korita, Wakai, Ajioka, Inoue, Takamura, Shirai, Hatakeyama: "Aberrant expression of vimentin correlates with dedifferentiation and poor prognosis in patients with intrahepatic cholangiocarcinoma." in: **Anticancer research**, Vol. 30, Issue 6, pp. 2279-85, (2010) ([PubMed](#)).

Images



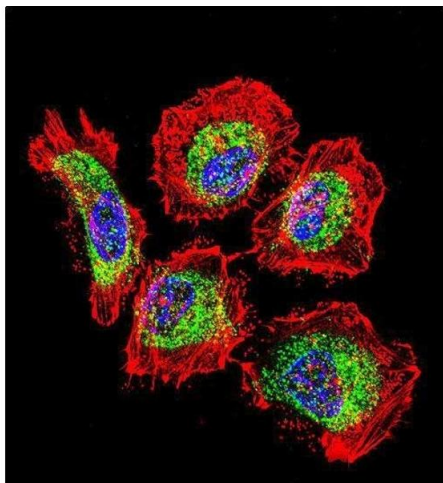
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemical analysis of paraffin-embedded Human small intestine tissue using A performed on the Leica® BOND RXm. Tissue was fixed with formaldehyde at room temperature, antigen retrieval was by heat mediation with a EDTA buffer (pH 9. 0). Samples were incubated with primary Antibody (1:500) for 1 hours at room temperature. A undiluted biotinylated CRF Anti-Polyvalent HRP Polymer antibody was used as the secondary antibody.



Immunofluorescence

Image 2. Confocal immunofluorescent analysis of Vimentin Antibody with A549 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). Actin filaments have been labeled with Alexa Fluor 555 phalloidin (red). DI was used to stain the cell nuclear (blue).



Immunofluorescence

Image 3. Confocal immunofluorescent analysis of Vimentin Antibody with HeLa cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). Actin filaments have been labeled with Alexa Fluor 555 phalloidin (red). DAPI was used to stain the cell nuclear (blue).

Please check the [product details page](#) for more images. Overall 7 images are available for ABIN1881993.