

Datasheet for ABIN6150108

anti-Vimentin antibody (AA 1-101)[Go to Product page](#)**4** Images**2** Publications

Overview

Quantity:	100 µL
Target:	Vimentin (VIM)
Binding Specificity:	AA 1-101
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Vimentin antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-101 of human Vimentin (NP_003371.2).
Sequence:	MSTRSVSSSS YRRMFGGPGT ASRPSSRSY VTTSTRTYSL GSALRPSTSR SLYASSPGGV YATRSSAVRL RSSVPGVRL QDSVDFSLAD AINTEFKNTR T
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies

Target Details

Target:	Vimentin (VIM)
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Target Details

Alternative Name:	VIM (VIM Products)
Background:	This gene encodes a member of the intermediate filament family. Intermediate filaments, along with microtubules and actin microfilaments, make up the cytoskeleton. The protein 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.,CTRCT30,HEL113,Vimentin,VIM,vimentin,Cancer,Tumor biomarkers,Signal Transduction,Cell Biology & Developmental Biology,Cytoskeleton,Intermediate Filaments,Neuroscience,Cell Type Marker,Stem Cells,Neural Stem Cells,Neural Stem Cell marker,VIM
Molecular Weight:	53 kDa
Gene ID:	7431
UniProt:	P08670
Pathways:	Caspase Cascade in Apoptosis

Application Details

Application Notes:	WB,1:500 - 1:2000,IHC,1:50 - 1:200,IF,1:50 - 1:200
Comment:	HIGH QUALITY
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
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:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

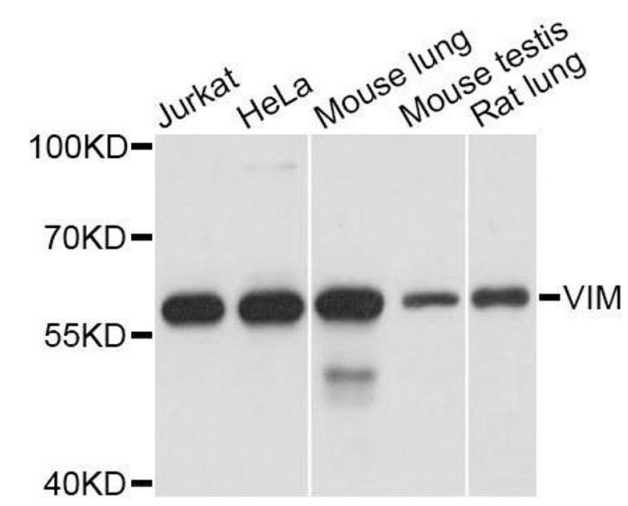
Publications

Product cited in:

Wang, Wang, Tang, Zhang, Zheng, Wang, Zhang, Wang, Xie: "Direct inhibition of ACTN4 by ellagic acid limits breast cancer metastasis via regulation of β -catenin stabilization in cancer stem cells." in: **Journal of experimental & clinical cancer research : CR**, Vol. 36, Issue 1, pp. 172, (2018) ([PubMed](#)).

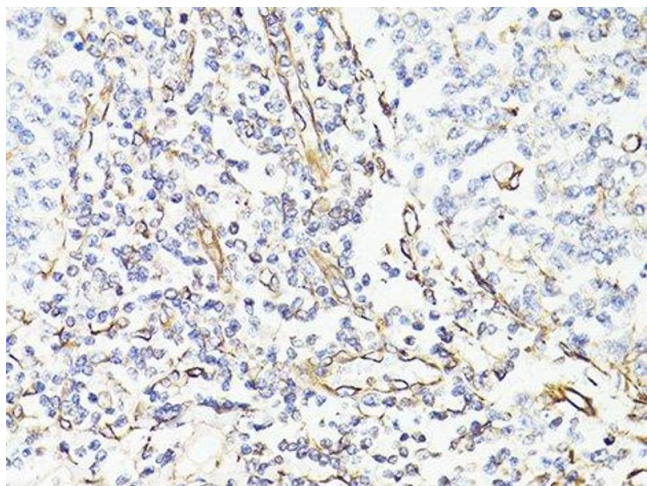
Wang, Zheng, Gu, Cai, Wang, Zhang, Chen, Situ, Lin, Wang: "Network-pharmacology-based validation of TAMS/CXCL-1 as key mediator of XIAOPI formula preventing breast cancer development and metastasis." in: **Scientific reports**, Vol. 7, Issue 1, pp. 14513, (2017) ([PubMed](#)).

Images



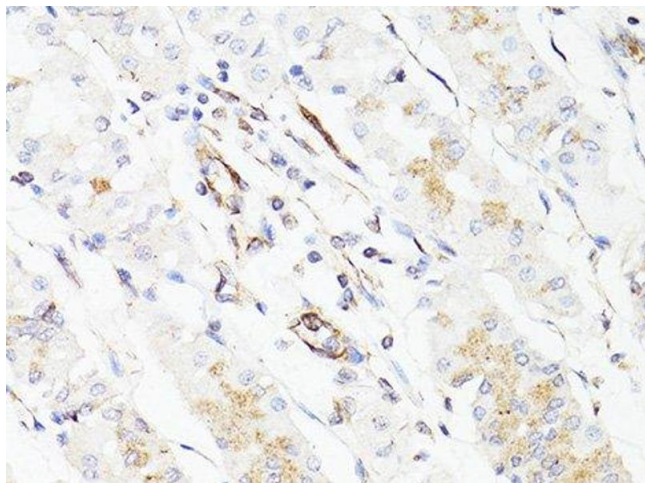
Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using VIM antibody.



Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Immunohistochemistry of paraffin-embedded human tonsil using VIM antibody.



Immunohistochemistry (Paraffin-embedded Sections)

Image 3. Immunohistochemistry of paraffin-embedded human stomach using VIM antibody.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN6150108.