



Datasheet for ABIN3016292
anti-Vimentin antibody (AA 1-200)



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9 Images

3 Publications

Overview

Quantity:	100 µL
Target:	Vimentin (VIM)
Binding Specificity:	AA 1-200
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 1-200 of human Vimentin (NP_003371.2).
Sequence:	MSTRSVSSSS YRRMFGGPGT ASRPSSRSY VTTSTRTYSL GSALRPSTSR SLYASSPGGV YATRSSAVRL RSSVPGVRL QDSVDFSLAD AINTEFKNTR TNEKVELQEL NDRFANYIDK VRFLEQQNKI LLAELEQLKG QGKSRLGDLY EEEMRELRRQ VDQLTNDKAR VEVERDNLAE DIMRLREKLQ EEMLQREEAE
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies

Target Details

Target:	Vimentin (VIM)
Alternative Name:	VIM (VIM Products)
Background:	<p>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</p>
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
Restrictions:	For Research Use only

Handling

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.

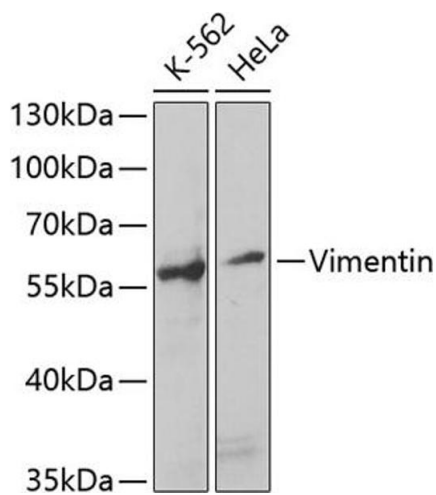
Product cited in:

Shen, Sun, Sun, Li, Wu, Li, Chen, Liu, Cui, Zhou: "ARRDC3 suppresses colorectal cancer progression through destabilizing the oncoprotein YAP." in: **FEBS letters**, Vol. 592, Issue 4, pp. 599-609, (2019) ([PubMed](#)).

Nie, Huang, Deng, Bao, Liu, Feng, Wang, Chen, Qi, Pan: "The purine receptor P2X7R regulates the release of pro-inflammatory cytokines in human craniopharyngioma." in: **Endocrine-related cancer**, Vol. 24, Issue 6, pp. 287-296, (2018) ([PubMed](#)).

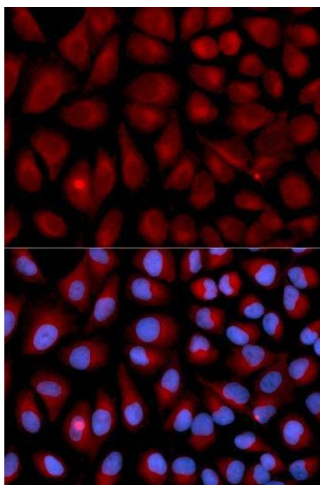
Liu, Wang, Li, Zhang, Peng, Peng, Song, Qi, Pan: "TREM-1 expression in craniopharyngioma and Rathke's cleft cyst: its possible implication for controversial pathology." in: **Oncotarget**, Vol. 7, Issue 31, pp. 50564-50574, (2018) ([PubMed](#)).

Images



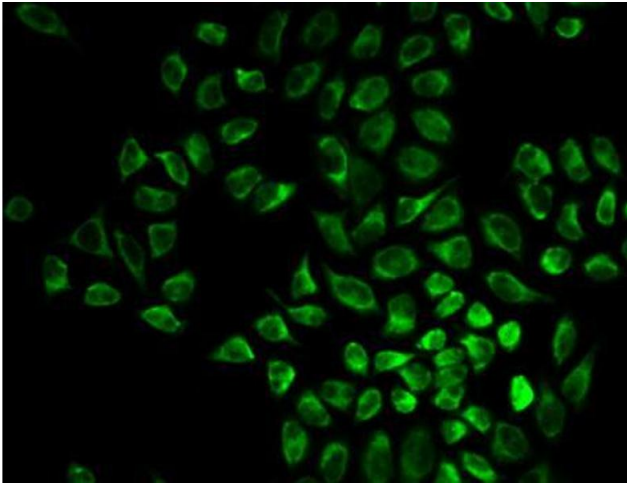
Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using Vimentin antibody (ABIN3016291, ABIN3016292, ABIN3016293 and ABIN6219693) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Enhanced Kit (RM00021). Exposure time: 90s.



Immunofluorescence

Image 2.



Immunofluorescence

Image 3.

Please check the [product details page](#) for more images. Overall 9 images are available for ABIN3016292.