antibodies -online.com







anti-Vimentin antibody





Overview

Quantity:	100 μL
Target:	Vimentin (VIM)
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This Vimentin antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunoprecipitation (IP)

Product Details

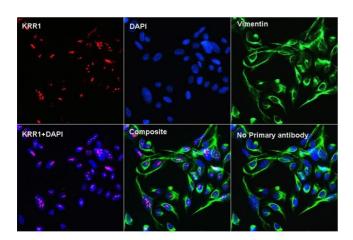
Purpose:	[KO Validated] Vimentin Rabbit mAb
Immunogen:	A synthesized peptide derived from human Vimentin.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Monoclonal Antibodies
Purification:	Affinity purification
Grade:	KO Validated

Target Details

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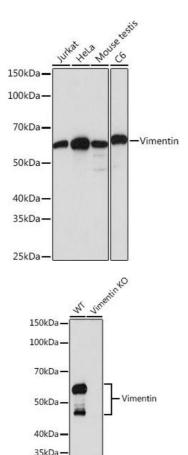
Target Details

Alternative Name:	VIM (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
	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.[provided by RefSeq, Jun 2009],CTRCT30,HEL113,Vimentin,VIM,vimentin,Cancer,Cell
	Biology & Developmental Biology,Cell Type Marker,Cell Type Marker_Neural Stem Cell
	marker,Cytoskeleton,Cytoskeleton_Intermediate Filaments,Neural Stem
	Cells,Neuroscience,Protein phosphorylation,Signal Transduction,Stem Cells,Tumor
	biomarkers,VIM
Molecular Weight:	54kDa
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,IP,1:50 - 1:200
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,0.05 % BSA,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.



Immunofluorescence

Image 1. Confocal Immunofluorescence analysis of U2OS cells using KRR1 Rabbit pAb at dilution of 1:100 (40x lens)(red). Vimentin (ABIN7271326: Vimentin Rabbit mAb) for Cytoskeleton staining(green), DAPI for nuclear staining(blue).



25kDa

293T

Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using Vimentin antibody (ABIN7271326) 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 Basic Kit (RM00020). Exposure time: 1s.

Western Blotting

Image 3. Western blot analysis of extracts from wild type (WT) and Vimentin knockout (KO) 293T cells, using Vimentin antibody (ABIN7271326) 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 Basic Kit (RM00020). Exposure time: 1s.

Please check the product details page for more images. Overall 7 images are available for ABIN7271326.