

[KO Validated] Vimentin Rabbit mAb

Catalog No.: A19607 **KO Validated** **Recombinant** **15 Publications**

Basic Information

Catalog No.

A19607

Observed MW

54kDa

Calculated MW

54kDa

Category

Primary antibody

Applications

WB,IHC,IF,IP

Cross-Reactivity

Human, Mouse, Rat

Recommended Dilutions

WB	1:500 - 1:2000
IHC	1:50 - 1:200
IF	1:50 - 1:200
IP	1:50 - 1:200

Contact

 | www.abclonal.com

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.[provided by RefSeq, Jun 2009]

Immunogen Information

Gene ID	Swiss Prot
7431	P08670

Immunogen

A synthetic peptide corresponding to a sequence within amino acids 367-466 of human Vimentin (P08670).

Synonyms

CTRCT30;HEL113;Vimentin;VIM;vimentin

Product Information

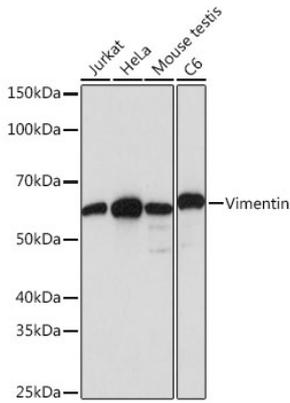
Source	Isotype	Purification
Rabbit	IgG	Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide,0.05% BSA,50% glycerol,pH7.3.

Validation Data



Western blot analysis of extracts of various cell lines, using Vimentin antibody (A19607) at 1:1000 dilution.

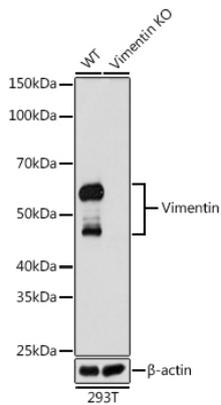
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25ug per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 1s.



Western blot analysis of extracts from wild type (WT) and Vimentin knockout (KO) 293T cells, using Vimentin antibody (A19607) at 1:1000 dilution.

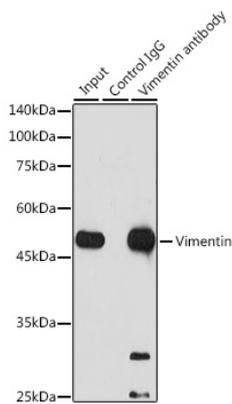
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25ug per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

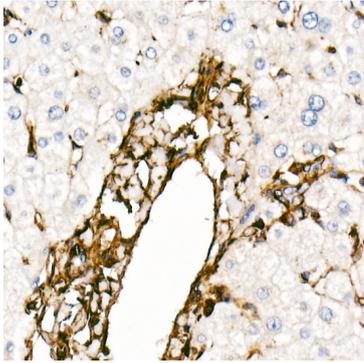
Exposure time: 1s.



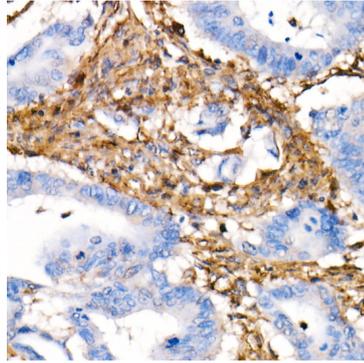
Immunoprecipitation analysis of 300ug extracts of Jurkat cells using 3ug Vimentin antibody (A19607).

Western blot was performed from the immunoprecipitate using Vimentin antibody (A19607) at a dilution of 1:1000.

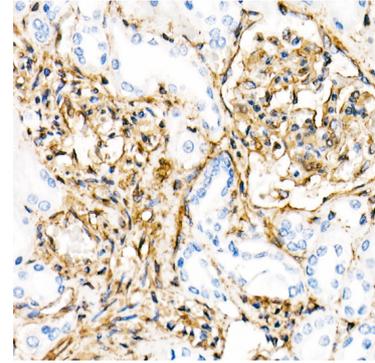
Validation Data



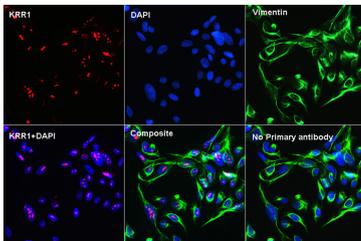
Immunohistochemistry of paraffin-embedded Human liver using Vimentin antibody (A19607) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



Immunohistochemistry of paraffin-embedded Human colon carcinoma using Vimentin antibody (A19607) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



Immunohistochemistry of paraffin-embedded Human kidney using Vimentin antibody (A19607) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



Confocal Immunofluorescence analysis of U2OS cells using KRR1 Rabbit pAb (A4487) at dilution of 1:100 (40x lens)(red). Vimentin (A19607: Vimentin Rabbit mAb) for Cytoskeleton staining(green), DAPI for nuclear staining(blue).