Rabbit anti-Human Vimentin Polyclonal Antibody

Anti-Vimentin Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA258713	**Rabbit**	**Human**	**Immunoprecipitation, Immunofluorescence, Immunocytochemistry, Immunohistochemistry, ELISA, Western Blot**

PRODUCT SYNONYMS

Vimentin; Polyclonal Antibody; Anti-Vimentin Antibody; Rabbit Polyclonal; vimentin; Anti-CTRCT30 Antibody; Anti-HEL113 Antibody; anti-Vimentin antibody

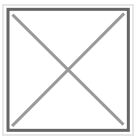
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human Vimentin
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-Vimentin antibody	IP (Immunoprecipitation), IF (Immunofluorescence), ICC (Immunocytochemistry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Immunogen	Recombinant Human Vimentin Protein
Preparation	Produced in rabbits immunized with purified, recombinant Human Vimentin (rh Vimentin). Vimentin specific IgG was purified by Human Vimentin affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

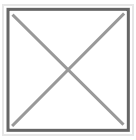
IMAGES

IF (Immunofluorescence)
Immunofluorescence staining of VIM-His in HeLa cells. Cells were fixed with 4% PFA, permeabilzed with 0.3% Triton X-100 in PBS,blocked with 10% serum, and incubated with rabbit anti-Human VIM-His polyclonal antibody (dilution ratio 1:100) at 4? overnight. Then cells were stained with the Alexa Fluor488-conjugated Goat Anti-rabbit IgG secondary antibody (green) and counterstained with DAPI (blue).Positive staining was localized to Cytoplasm.

IHC (Immunohistochemisry)
Immunochemical staining of human Vimentin in human breast carcinoma with rabbit polyclonal antibody at 1:2000 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohiostchemistry)
Immunochemical staining of human Vimentin in human kidney with rabbit polyclonal antibody at 1:2000 dilution, formalin-fixed paraffin embedded sections.



WB (Western Blot)
Anti-Vimentin rabbit monoclonal antibody at 1:500 dilutionLane A: Hela Whole Cell LysateLane B: A549 Whole Cell LysateLane C: 293T Whole Cell LysateLane D: Jurkat Whole Cell LysateLysates/proteins at 30 ug per lane.SecondaryGoat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution.Developed using the ECL technique.Performed under reducing conditions.Predicted band size:54 kDaObserved band size:55 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-Vimentin antibody	Vimentin is a type III intermediate filament (IF) protein found in various non-epithelial cells, especially mesenchymal cells. A vimentin monomer, has a central alpha-helical domain and carboxyl (tail) domains. Two monomers compose the basic subunit of vimentin assembly. Vimentin is crucial for supporting and anchoring the position of the organelles in the cytosol. Vimentin provided cells with a resilience absent from the microtubule or actin filament networks, when under mechanical stress in vivo. Therefore, in general, it is accepted that vimentin is the cytoskeletal component responsible for maintaining cell integrity. Vimentin is also responsible for stabilizing cytoskeletal interactions. It is found that vimentin control the transport of low-density lipoprotein. It has been used as a sarcoma tumor marker to identify mesenchyme.
References	Russell RL, et al. (2001) Uridine phosphorylase association with vimentin. Intracellular distribution and localization. J Biol Chem. 276(16):13302-7.Moinova, et al. (2012) Aberrant Vimentin Methylation is Characteristic of Upper GI Pathologies. Cancer Epidemiology Biomarkers Prev. 21(4):594-600.Leader M, et al. (1987) Vimentin: an evaluation of its role as a tumour marker. Histopathology. 11(1):63-72.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: https://stage.aaabiotech.com/polyclonal/vimentin-antibody-immunoprecipitation-immunofluorescence-immunocytochemistry-immunohistochemistry-western-blot-elisa/258713