BT LAB
Bioassay Technology Laboratory
Optimize Your Research

VIM Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP09525
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human Vimentin. AA range:411-460
Mol wt	53652
Species reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Recommended application	WB, IHC-p, IF, ELISA
Concentration	1 mg/ml
Full name	VIM Antibody
Synonyms	VIM; Vimentin

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

VIM encodes a member of the intermediate filament family. Intermediate filamentents, along with microtubules and actin microfilaments, make up the cytoskeleton. Vimentin 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.

Recommended Dilution

WB: 1: 500 - 1: 2000

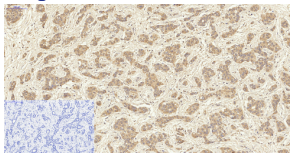
IHC: 1: 100 - 1: 300

IF: 1: 200 - 1: 1000

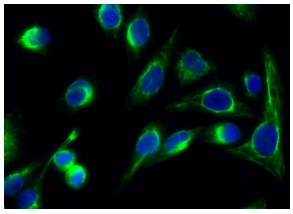
ELISA: 1: 10000

Not yet tested in other applications.

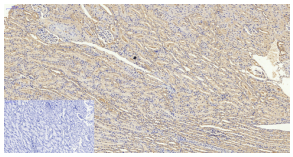
Images



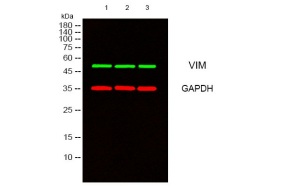
Immunohistochemical analysis of paraffin-embedded human-liver-cancer tissue. 1,VIM Polyclonal Antibody was diluted at 1:200(4° overnight). 2, Sodium citrate pH 6.0 was used for antigen retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room temperature, 30min) Negtive control was used by secondary antibody only.)

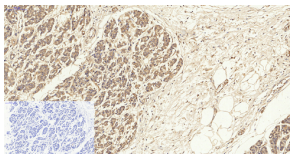


Immunofluorescence analysis of Hela cell. 1,VIM Polyclonal Antibody(green) was diluted at 1:200(4° overnight). 2, Goat Anti Rabbit Alexa Fluor 488 was diluted at 1:1000(room temperature, 50min). 3 DAPI(blue) 10min.

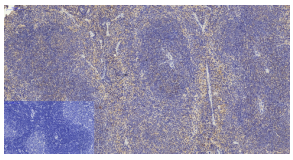


Immunohistochemical analysis of paraffin-embedded RAT-KIDNEY tissue. 1,VIM Polyclonal Antibody was diluted at 1:200(4° overnight). 2, Sodium citrate pH 6.0 was used for antigen retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room temperature, 30min) Negtive control was used by secondary antibody only.)

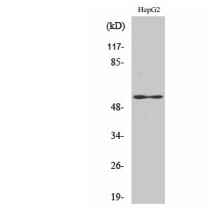




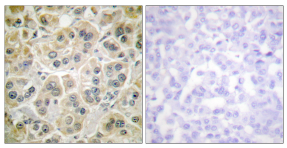
Immunohistochemical analysis of paraffin-embedded human-stomach-cancer tissue. 1,VIM Polyclonal Antibody was diluted at 1:200(4° overnight). 2, Sodium citrate pH 6.0 was used for antigen retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room temperature, 30min) Negtive control was used by secondary antibody only.)



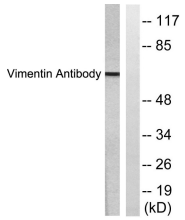
Immunohistochemical analysis of paraffin-embedded mouse-spleen tissue. 1,VIM Polyclonal Antibody was diluted at 1:200(4° overnight). 2, Sodium citrate pH 6.0 was used for antigen retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room temperature, 30min) Negtive control was used by secondary antibody only.)



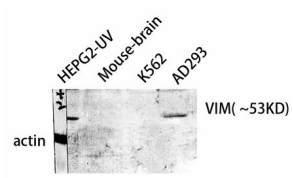
Western Blot analysis of HepG2 cells using VIM Polyclonal Antibody diluted at 1:1000. Secondary antibody was diluted at 1:20000



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue, using Vimentin Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from HepG2 cells, treated with Adriamycin 0.5uM 5h, using Vimentin Antibody. The lane on the right is blocked with the synthesized peptide.



Western Blot analysis of HepG2-UV MOUSE-BRAIN AD293 K562 cells using VIM Polyclonal Antibody diluted at 1:1000. Secondary antibody was diluted at 1:20000

Storage

-20°C for one year

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