

## Vimentin Polyclonal Antibody

### Description

Product type	Primary Antibody
Code	BT-AP09529
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human Vimentin. AA range:31-80
Mol wt	53652
Species reactivity	Human
Clonality	Polyclonal
Recommended application	WB, IHC-p, IF, ELISA
Concentration	1 mg/ml
Full name	Vimentin 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 filaments, 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

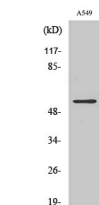
IHC: 1: 100 - 1: 300

IF: 1: 200 - 1: 1000

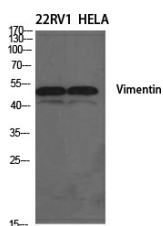
ELISA: 1: 20000

Not yet tested in other applications.

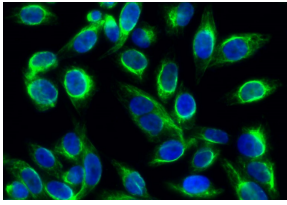
### Images



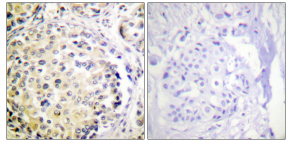
Western Blot analysis of A549 cells using Vimentin Polyclonal Antibody diluted at 1:1000.  
Secondary antibody was diluted at 1:20000



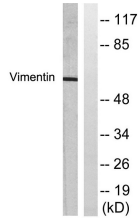
Western Blot analysis of various cells using Vimentin Polyclonal Antibody diluted at 1:1000.  
Secondary antibody was diluted at 1:20000



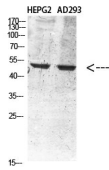
Immunofluorescence analysis of HeLa cell. 1, Vimentin Polyclonal Antibody (green) was diluted at 1:200 (4° overnight). 2, Goat Anti Rabbit Alexa Fluor 488 was diluted at 1:1000 (room temperature, 50min). 3 DAPI (blue) 10min.



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 A549 cells, treated with Nocodazole 1 µg/ml 16h, using Vimentin Antibody. The lane on the right is blocked with the synthesized peptide.



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

### Storage

-20°C for one year

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