

## Vimentin Polyclonal Antibody

### Description

<b>Product type</b>	Primary Antibody
<b>Code</b>	BT-AP09530
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Size</b>	20ul, 50ul, 100ul
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from the C-terminal region of human VIM. AA range:371-420
<b>Mol wt</b>	53652
<b>Species reactivity</b>	Human, Mouse, Rat
<b>Clonality</b>	Polyclonal
<b>Recommended application</b>	WB, ELISA
<b>Concentration</b>	1 mg/ml
<b>Full name</b>	Vimentin Antibody
<b>Synonyms</b>	Vimentin

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

### Background

VIM (vimentin) encodes a member of the intermediate filament family. Intermediate filaments, along with microtubules and actin microfilaments, make up the cytoskeleton. The protein encoded by VIM 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 VIM causes a dominant, pulverulent cataract.

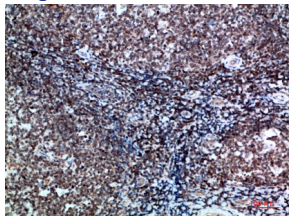
### Recommended Dilution

WB: 1: 500 - 2000

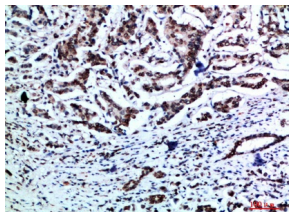
ELISA: 1: 10000 - 20000

Not yet tested in other applications.

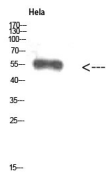
### Images



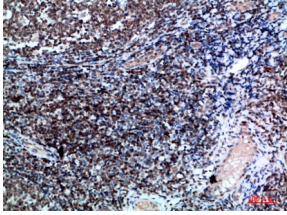
Immunohistochemical analysis of paraffin-embedded human-tonsil, antibody was diluted at 1:200



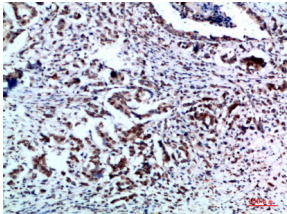
Immunohistochemical analysis of paraffin-embedded human-breast-cancer, antibody was diluted at 1:200



Western Blot analysis of HeLa cells using Vimentin Polyclonal Antibody diluted at 1:500. Secondary antibody was diluted at 1:20000



Immunohistochemical analysis of paraffin-embedded human-tonsil, antibody was diluted at 1:200



Immunohistochemical analysis of paraffin-embedded human-breast-cancer, antibody was diluted at 1:200

### Storage

-20°C for one year

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