

Vimentin(Phospho Ser56) Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP15477
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human Vimentin around the phosphorylation site of Ser56. AA range:31-80
Mol wt	53652
Species reactivity	Human, Rat, Mouse
Clonality	Polyclonal
Recommended application	WB, IHC-p, IF, ELISA
Concentration	1 mg/ml
Full name	Vimentin
Synonyms	Vimentin; VIM; Vimentin

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

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.

Recommended Dilution

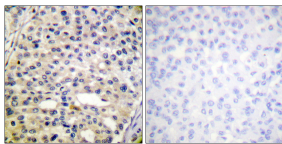
WB: 1: 500 - 1: 2000

IHC-p: 1: 100 - 1: 300

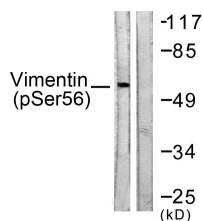
ELISA: 1: 20000

Not yet tested in other applications.

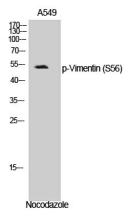
Images



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma, using Vimentin (Phospho-Ser56) Antibody. The picture on the right is blocked with the phospho peptide.



Western Blot analysis of A549 cells using Phospho-Vimentin (S56) Polyclonal Antibody



Western blot analysis of lysates from A549 cells treated with Nocodazole 1ug/ml 16h, using Vimentin (Phospho-Ser56) Antibody. The lane on the right is blocked with the phospho peptide.

Storage

-20°C for 1 year

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