

**Vimentin (phospho Ser56) rabbit pAb****Cat#: orb770382 (Manual)**

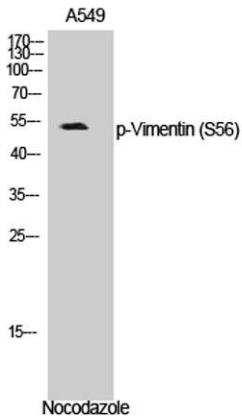
For research use only. Not intended for diagnostic use.

<b>Product Name</b>	Vimentin (phospho Ser56) rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	WB;IHC;IF;ELISA
<b>Species Cross-Reactivity</b>	Human;Rat;Mouse;
<b>Recommended dilutions</b>	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/20000. Not yet tested in other applications.
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human Vimentin around the phosphorylation site of Ser56. AA range:31-80
<b>Specificity</b>	Phospho-Vimentin (S56) Polyclonal Antibody detects endogenous levels of Vimentin protein only when phosphorylated at S56.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..
<b>Storage</b>	Store at -20°C. Avoid repeated freeze-thaw cycles.
<b>Protein Name</b>	Vimentin
<b>Gene Name</b>	VIM
<b>Cellular localization</b>	Cytoplasm . Cytoplasm, cytoskeleton . Nucleus matrix . Cell membrane .
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Clonality</b>	Polyclonal

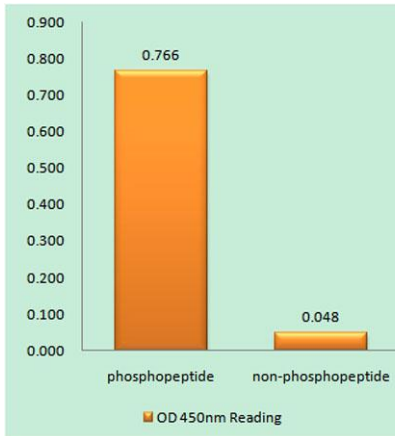
<b>Concentration</b>	1 mg/ml
<b>Observed band</b>	54kD
<b>Human Gene ID</b>	7431
<b>Human Swiss-Prot Number</b>	P08670
<b>Alternative Names</b>	VIM; Vimentin

## Background

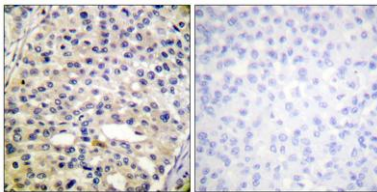
This gene encodes a member of the intermediate filament family. Intermediate filaments, along with microtubules and actin microfilaments, make up the cytoskeleton. The protein encoded by this gene is responsible for maintaining cell shape, integrity of the cytoplasm, and stabilizing cytoskeletal interactions. 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.[provided by RefSeq, Jun 2009],



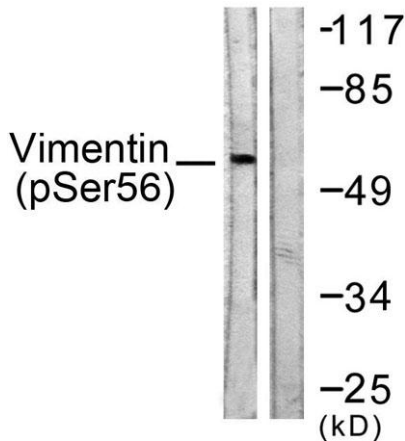
**Western Blot analysis of A549 cells using Phospho-Vimentin (S56) Polyclonal Antibody**



Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using Vimentin (Phospho-Ser56) Antibody



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 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.