

## Product datasheet for **TA383241**

### Vimentin (VIM) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB,1:500 - 1:2000 IHC,1:50 - 1:100
Reactivity:	Human, Mouse, Rat
Modifications:	Phospho S39
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	A synthetic phosphorylated peptide around S39 of human VIM (NP_003371.2).
Formulation:	Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Concentration:	lot specific
Purification:	Affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C. Avoid freeze / thaw cycles.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	53kDa
Gene Name:	vimentin
Database Link:	<a href="#">Entrez Gene 7431 Human P08670</a>

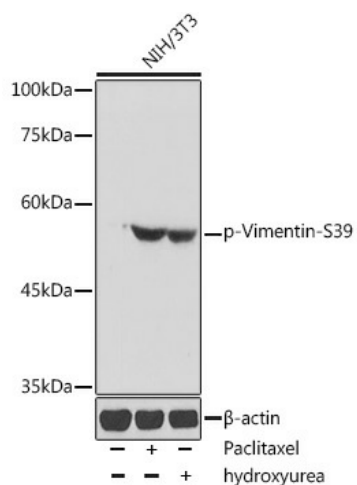
**Background:** This gene encodes a member of the intermediate filament family. Intermediate filaments, along with microtubules and actin microfilaments, make up the cytoskeleton. The protein encoded by this gene is responsible for maintaining cell shape, integrity of the cytoplasm, and stabilizing cytoskeletal 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.



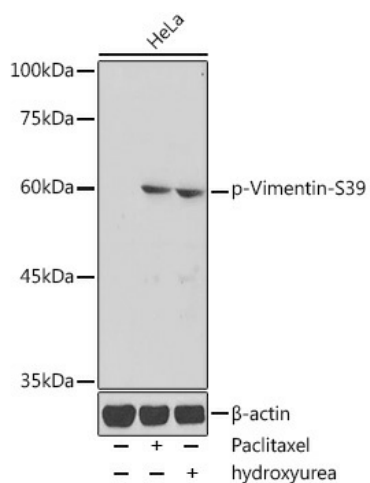
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Synonyms: FLJ36605; vimentin

**Product images:**



Western blot analysis of extracts of NIH/3T3 cells, using Phospho-Vimentin-S39 antibody (TA383241) at 1:1000 dilution. NIH/3T3 cells were treated by Paclitaxel (100 nM/ml) at 37°C for 20 hours. NIH/3T3 cells were treated by Hydroxyurea (4 mM) at 37°C for 20 hours. | Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. | Lysates/proteins: 25ug per lane. | Blocking buffer: 3% nonfat dry milk in TBST. | Detection: ECL Enhanced Kit . | Exposure time: 1s.



Western blot analysis of extracts of HeLa cells, using Phospho-Vimentin-S39 antibody (TA383241) at 1:1000 dilution. HeLa cells were treated by Paclitaxel (100 nM/ml) at 37°C for 20 hours. HeLa cells were treated by Hydroxyurea (4 mM) at 37°C for 20 hours. | Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. | Lysates/proteins: 25ug per lane. | Blocking buffer: 3% nonfat dry milk in TBST. | Detection: ECL Basic Kit . | Exposure time: 180s.