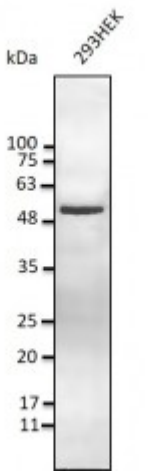
Anti-Vimentin antibody



Description	Goat polyclonal antibody to Vimentin. VIM is a member of the intermediate filament family. The cytoskeleton is made by these intermediate filaments, along with actin microfilaments and microtubules. VIM is responsible for integrity of the cytoplasm, stabilization of the cytoskeletal interactions and maintaining cell shape. This protein controls the transport of LDL-derived cholesterol from a lysosome to the site of esterification and is also involved in the immune response. It functions as an organizer of a number of critical proteins involved in migration, attachment and cell signaling.
Model	STJ140133
Host	Goat
Reactivity	Avian, Bovine, Canine, Donkey, Feline, Goat, Guinea Pig, Hamster, Horse, Human, Mouse, Other, Porcine, Rabbit, Rat, Sheep, Simian
Applications	WB
Immunogen	Recombinant peptide derived from within residues 390 aa to the C-terminus of human VIM produced in E. coli.
Immunogen Region	C-Term
Gene ID	7431
Gene Symbol	VIM
Dilution range	Western blot 1:500-1:5,000 Immunofluorescence ND Immunohistochemistry (paraffin) ND Immunohistochemistry (frozen) ND
Specificity	Detects endogenous levels of VIM by Western blot.
Purification	This antibody is epitope-affinity purified from goat antiserum.

Note	For research use only (RUO).
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	PBS, 20% glycerol and 0.05% sodium azide.
Concentration	3 mg/mL
Storage Instruction	Store at -20°, and avoid repeated freeze-thaw cycles.
Database Links	HGNC:12692OMIM:116300
Sequence and Domain Family	The central alpha-helical coiled-coil rod region mediates elementary homodimerization.; The [IL]-x-C-x-x-[DE] motif is a proposed target motif for cysteine S-nitrosylation mediated by the iNOS-S100A8/A9 transnitrosylase complex.