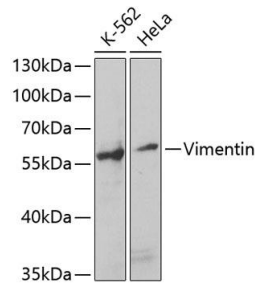
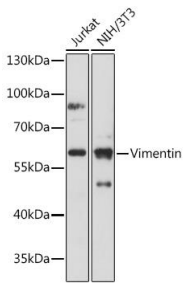
Product Data Sheet:
Vimentin Rabbit Polyclonal Antibody

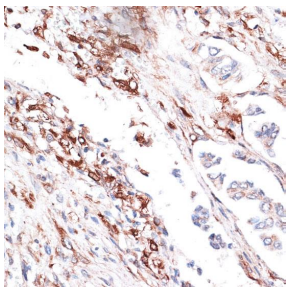
Cat. No:	AB-84199
Conjugate:	Unconjugated
Size:	100 ug
Clone:	POLY
Concentration:	1mg/ml
Host:	Rabbit
Isotype:	IgG
Immunogen:	The antiserum was produced against synthesized peptide derived from human Vimentin. AA range:56-105
Reactivity:	Hu, Ms
Applications:	Western Blot: 1/500 – 1/2000. Immunohistochemistry: 1/100 – 1/300. Immunofluorescence: 1/200 – 1/1000.
Molecular Weight:	50-57kD
Purification:	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Synonyms:	CTRCT30;HEL113;Vimentin;VIM;vimentin
Background:	This gene encodes a member of the intermediate filament family. Intermediate filamentents, 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
Form:	Liquid
Buffer:	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage:	Store at -20℃. Avoid repeated freeze-thaw cycles.



Western blot analysis of extracts of various cell lines, using Vimentin antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L)at 1:10000 dilution.



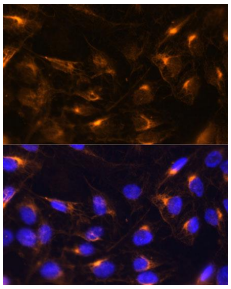
Western blot analysis of extracts of various cell lines, using Vimentin antibody at 1:500 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution.



Immunohistochemistry of paraffin embedded human lung cancer using Vimentin antibody at dilution of 1:100 (40x lens).

Lysates/proteins: 25ug per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL West Pico Plus.
Exposure time: 90s.

Lysates/proteins: 25ug per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECLWest Pico Plus.
Exposure time: 30s.



Immunofluorescence analysis of U2OS cells using Vimentin antibody at dilution of 1:100. Blue: DAPI for nuclear staining.