Vimentin antibody

Cat. No. GTX100619

Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Applications	WB, ICC/IF, IHC-P, IHC-Fr, IP, ELISA, Sandwich ELISA, IHC (Free Floating)
Reactivity	Human, Mouse, Rat, Cat, Dog

References (154)

Review (6)

Package
100 µl, 25 µl

PRODUCT

Summary

Vimentin antibody detects vimentin, a type III intermediate filament protein with a predicted molecular weight of 54 kDa. Vimentin is highly expressed in cells of mesodermal origin as well as in some ectodermal cells, and is often used as a marker of mesenchymal stem cells. It is also utilized in combination with E-cadherin to study the morphological and phenotypic changes in cells undergoing epithelial–mesenchymal transition during development and tumor metastasis. In addition, vimentin antibody is a valuable reagent to stain neuronal precursors and developing radial glia cells.

Applications

Application Note

*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution	Recommended dilution
WB	1:5000-1:50000
ICC/IF	1:100-1:1000
IHC-P	1:100-1:1000
IHC-Fr	Assay dependent
IP	1:100-1:500
ELISA	Assay dependent
Sandwich ELISA	Assay dependent
IHC (Free Floating)	Assay dependent

Note : Capture : GTX629743 / GTX629744, Detection : GTX100619

Not tested in other applications.

Observed MW (kDa) 56 kDa. The observed M.W. is based on the following publication. PMID: 23185433 and 24926698

Properties

Form	Liquid
Buffer	PBS, 1% BSA, 20% Glycerol
Preservative	0.025% ProClin 300

For full product information, images and publications, please visit our website.

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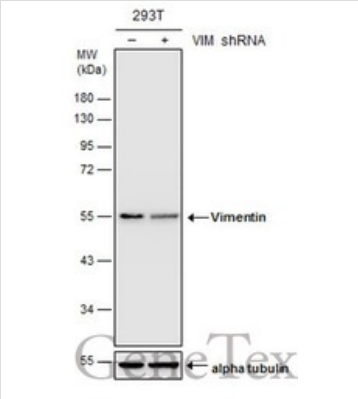
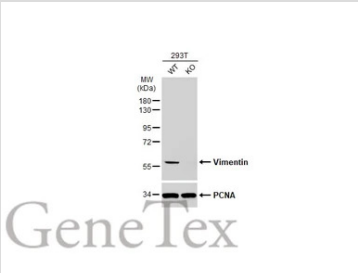
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4ºC. For long-term storage, aliquot and store at -20ºC or below. Avoid multiple freeze-thaw cycles.
Concentration	0.15 mg/ml (Please refer to the vial label for the specific concentration.)
Immunogen	Recombinant protein encompassing a sequence within the center region of human Vimentin. The exact sequence is proprietary.
Purification	Purified by antigen-affinity chromatography.
Conjugation	Unconjugated
Note	For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption. Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.

DATA IMAGES



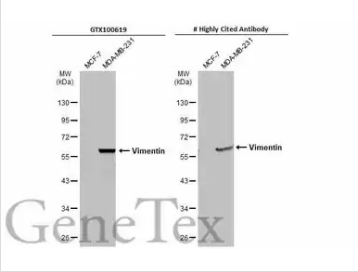
GTX100619 WB Image

Non-transfected (–) and transfected (+) 293T whole cell extracts (30 µg) were separated by 10% SDS-PAGE, and the membrane was blotted with Vimentin antibody (GTX100619) diluted at 1:20000.



GTX100619 WB Image

Wild-type (WT) and Vimentin knockout (KO) 293T cell extracts (30 µg) were separated by 10% SDS-PAGE, and the membrane was blotted with Vimentin antibody (GTX100619) diluted at 1:50000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.



GTX100619 WB Image

Various whole cell extracts (30 µg) were separated by 10% SDS-PAGE, and the membranes were blotted with Vimentin antibody (GTX100619) diluted at 1:5000 and competitor's antibody diluted at 1:5000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.

*The competitor is not affiliated with GeneTex and does not endorse this product.

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