

## Vimentin antibody

**Cat. No. GTX100619**

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

References ( 165 )

★★★★☆ 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

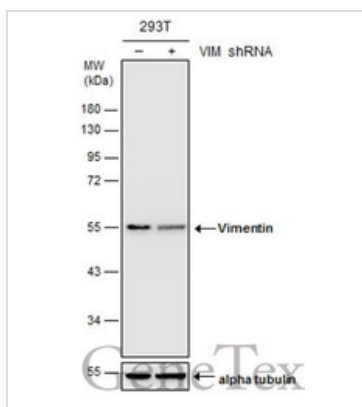
<b>Form</b>	Liquid
<b>Buffer</b>	PBS, 20% Glycerol
<b>Preservative</b>	0.025% ProClin 300



For full product information, images and publications, please visit our [website](#).

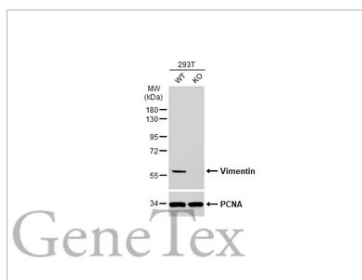
<b>Storage</b>	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.
<b>Concentration</b>	0.56 mg/ml (Please refer to the vial label for the specific concentration.)
<b>Immunogen</b>	Recombinant protein encompassing a sequence within the center region of human Vimentin. The exact sequence is proprietary.
<b>Purification</b>	Purified by antigen-affinity chromatography.
<b>Conjugation</b>	Unconjugated
<b>Note</b>	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**



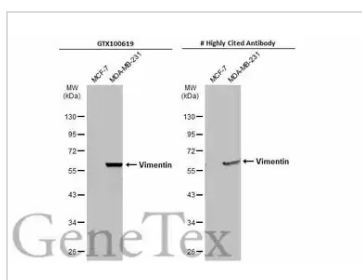
**GTX100619 WB Image**

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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