

## 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 ( 147 )

★★★★☆ 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.

**Calculated MW** 54 kDa. ( [Note](#) )

**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, 1% BSA, 20% Glycerol



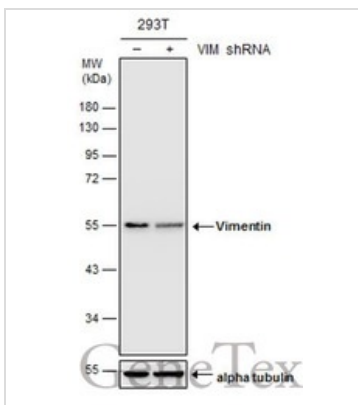
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<b>Preservative</b>	0.025% ProClin 300
<b>Storage</b>	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.
<b>Concentration</b>	0.16 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

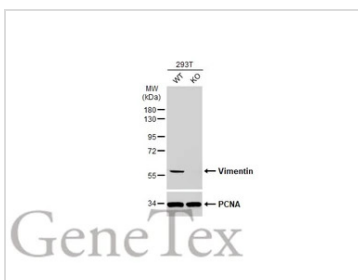
**Note**

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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.



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