

Vimentin antibody [GT812]

Cat. No. GTX629744

| Host | Mouse |
|--------------|--|
| Clonality | Monoclonal |
| Isotype | lgG2b |
| Applications | WB, ICC/IF, IHC-Fr, FCM, IP, ELISA, Sandwich ELISA |
| Reactivity | Human, Mouse, Rat, Cat |



Applications

Application Note

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

| Suggested dilution | Recommended dilution | |
|---|----------------------|--|
| WB | 1:500-1:75000 | |
| ICC/IF | Assay dependent | |
| IHC-Fr | 1:100-1:1000 | |
| FCM | Assay dependent | |
| IP | Assay dependent | |
| ELISA | Assay dependent | |
| Sandwich ELISA | Assay dependent | |
| Note : Capture : GTX629744, Detection : GTX112661 / GTX100619 | | |

Not tested in other applications.

| Calculated MW | 54 kDa. (<u>Note</u>) |
|---------------|---|
| Product Note | This antibody may not be suitable for mouse IHC-P assay, as its mouse reactivity is based on IHC-Fr and WB testing. IP/MS validation is based on published data (PMID: 30377427). |

| Properties | |
|---------------|--|
| Form | Liquid |
| Buffer | PBS |
| Preservative | No preservatives |
| Storage | 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. |
| Concentration | 1 mg/ml (Please refer to the vial label for the specific concentration.) |



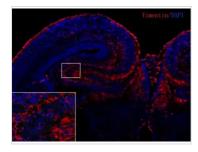
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| Immunogen | Recombinant protein encompassing a sequence within the center region of human Vimentin. The exact sequence is proprietary. |
|--------------|---|
| Purification | Affinity purified by Protein G. |
| Conjugation | Unconjugated |
| Note | 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



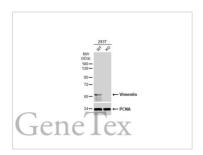
GTX629744 IHC-Fr Image

Vimentin antibody [GT812] detects Vimentin proteins in embryonic mouse brain by immunohistochemical analysis.

Sample: Frozen section of embryonic mouse brain (mE18.5).

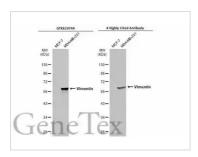
Red: Vimentin antibody [GT812] (GTX629744) diluted at 1:250.

Blue: DAPI.



GTX629744 WB Image

Wild-type (WT) and Vimentin knockout (KO) 293T cell extracts (30 μ g) were separated by 10% SDS-PAGE, and the membrane was blotted with Vimentin antibody [GT812] (GTX629744) diluted at 1:5000. The HRP-conjugated anti-mouse IgG antibody (GTX213111-01) was used to detect the primary antibody.



GTX629744 WB Image

Various whole cell extracts (30 μ g) were separated by 10% SDS-PAGE, and the membranes were blotted with Vimentin antibody [GT812] (GTX629744) diluted at 1:5000 and competitor's antibody diluted at 1:5000. The HRP-conjugated anti-mouse IgG antibody (GTX213111-01) was used to detect the primary antibody.

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