

Product Datasheet

Vimentin Antibody (2D1) [DyLight 594] NBP1-92687DL594

Unit Size: 0.1 ml

Store at 4C in the dark.

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Updated 7/11/2023 v.20.1

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NBP1-92687DL594

Vimentin Antibody (2D1) [DyLight 594]

| Product Information | |
|-----------------------------|--|
| Unit Size | 0.1 ml |
| Concentration | Please see the vial label for concentration. If unlisted please contact technical services. |
| Storage | Store at 4C in the dark. |
| Clonality | Monoclonal |
| Clone | 2D1 |
| Preservative | 0.05% Sodium Azide |
| Isotype | IgG2a |
| Conjugate | DyLight 594 |
| Purity | Protein G purified |
| Buffer | 50mM Sodium Borate |
| Target Molecular Weight | 53.6 kDa |
| Product Description | |
| Host | Mouse |
| Gene ID | 7431 |
| Gene Symbol | VIM |
| Species | Human, Rat, Mouse (Negative) |
| Reactivity Notes | Clones 2D1 (NBP1-92687) and 2A52 (NBP1-92688) both failed to detect the target in mouse tissues although they work well on human and rat samples. This allowed us to firmly map the epitope for both antibodies to the peptide SRISLPLPNFSSLNREL, amino acids 409-425 of the human sequence. This peptide is located at the beginning of the non-helical "tail" region of the molecule and the peptide is totally conserved between human and rat and in most mammalian species, including cow, pig, horse, camel, and many monkeys. Interestingly mouse has the peptide SRISLPLPTFSSLNREL divergent by one amino acid, and neither clones bind this peptide. As a result these antibodies can be used to identify human or rat cells in mouse cultures or tissues and may work with other species that also contain this peptide. |
| Marker | Mesenchymal Cells Marker |
| Immunogen | Full length recombinant human Vimentin Antibody expressed in and purified from E. coli. [UniProt# P08670] |
| Notes | DyLight (R) is a trademark of Thermo Fisher Scientific Inc. and its subsidiaries. |
| Product Application Details | |
| Applications | Western Blot, Simple Western, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Knockout Validated |
| Recommended Dilutions | Western Blot, Simple Western, Immunohistochemistry, Immunocytochemistry/Immunofluorescence, Immunohistochemistry-Paraffin, Knockout Validated |
| Application Notes | Optimal dilution of this antibody should be experimentally determined. |



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Products Related to NBP1-92687DL594

| | |
|------------------|------------------------------------|
| NBP2-35139-100ug | Recombinant Human Vimentin Protein |
| 2105-VI-100 | Vimentin [Unconjugated] |
| NB300-141 | GFAP Antibody |
| AF748 | E-Cadherin Antibody [Unconjugated] |

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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