

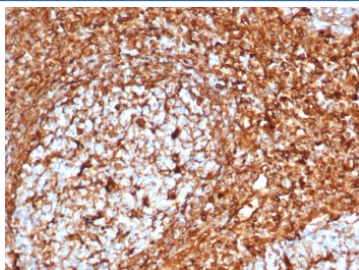
Recombinant Vimentin Antibody [clone VIM/6576R] (V9766)

| Catalog No. | Formulation | Size |
|----------------|---|--------|
| V9766-100UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 100 ug |
| V9766-20UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 20 ug |
| V9766SAF-100UG | 1 mg/ml in 1X PBS; BSA free, sodium azide free | 100 ug |

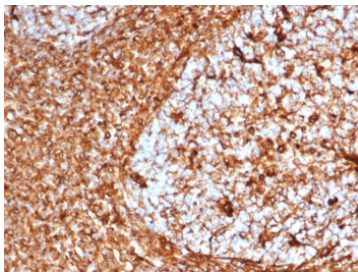
Recombinant **RABBIT MONOCLONAL**

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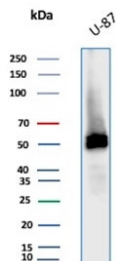
| | |
|---------------------------|--|
| Availability | 1-3 business days |
| Species Reactivity | Human (broad species reactivity predicted) |
| Format | Purified |
| Clonality | Recombinant Rabbit Monoclonal |
| Isotype | Rabbit IgG |
| Clone Name | VIM/6576R |
| Purity | Protein A/G affinity |
| UniProt | P08670 |
| Localization | Cytoplasmic |
| Applications | Western Blot : 1-2ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml |
| Limitations | This recombinant Vimentin antibody is available for research use only. |



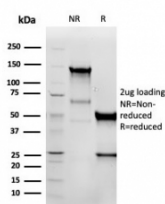
IHC staining of FFPE human tonsil tissue with recombinant Vimentin antibody (clone VIM/6576R). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



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Western blot testing of human U-87 MG cell lysate using recombinant Vimentin antibody (clone VIM/6576R). Predicted molecular weight ~53 kDa.



SDS-PAGE analysis of purified, BSA-free recombinant Vimentin antibody (clone VIM/6576R) as confirmation of integrity and purity.

Description

This MAb reacts with a 58kDa protein identified as vimentin. It shows no cross-reaction with other closely related intermediate filament proteins (IFP s) such as desmin, keratin, neurofilament, and glial fibrillary acid protein. Anti-vimentin alone is of limited value as a diagnostic tool; however, when used in panels with other antibodies, it is useful for the sub-classification of a given tumor. Expression of vimentin, when used in conjunction with anti-keratin, is helpful when distinguishing melanomas from undifferentiated carcinomas and large cell lymphomas. All melanomas and Schwannomas react strongly with anti-vimentin. It labels a variety of mesenchymal cells, including melanocytes, lymphocytes, endothelial cells, and fibroblasts. Non-reactivity of anti-vimentin is often considered more useful than its positive reactivity, since there are a few tumors that do not contain vimentin, e.g. hepatoma and seminoma. Anti-vimentin is also useful as a tissue process control reagent.

Application Notes

Optimal dilution of the recombinant Vimentin antibody should be determined by the researcher.

Immunogen

Recombinant full-length human protein was used as the immunogen for the recombinant Vimentin antibody.

Storage

Aliquot the recombinant Vimentin antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

