

## Product Datasheet

### Recombinant Vimentin Antibody (orb2644238)

<b>Catalog Number</b>	orb2644238
<b>Category</b>	Antibodies
<b>Description</b>	<p>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.</p>
<b>Clonality</b>	Recombinant
<b>Species/Host</b>	Rabbit
<b>Isotype</b>	Rabbit IgG, kappa
<b>Conjugation</b>	Unconjugated
<b>Reactivity</b>	Human
<b>Buffer/Preservatives</b>	1 mg/ml in 1X PBS; rAlbumin free, sodium azide free
<b>Purification</b>	Protein A affinity chromatography
<b>Immunogen</b>	Full length recombinant protein was used as the immunogen for this recombinant Vimentin antibody.

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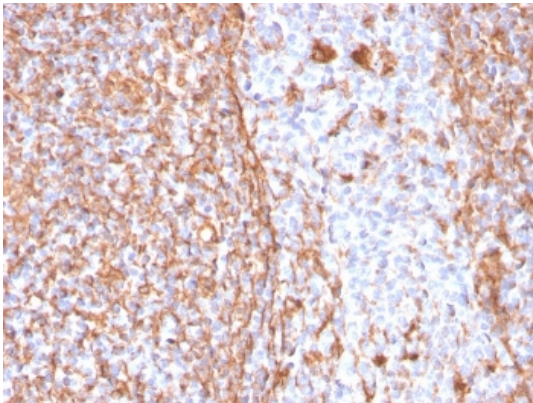
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<b>UniProt ID</b>	<b>P08670</b>
<b>Tested applications</b>	IHC-P, WB
<b>Dilution range</b>	Western blot: 1-2ug/ml, Immunohistochemistry (FFPE): 1-2ug/ml
<b>Application notes</b>	Optimal dilution of the recombinant Vimentin antibody should be determined by the researcher.
<b>Antibody Type</b>	Primary Antibody
<b>Clone Number</b>	VIM/1937R
<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
<b>Note</b>	For research use only
<b>Expiration Date</b>	12 months from date of receipt.



IHC staining of FFPE human tonsil with recombinant Vimentin antibody (clone VIM/1937R). HIER: boil tissue sections in pH9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.

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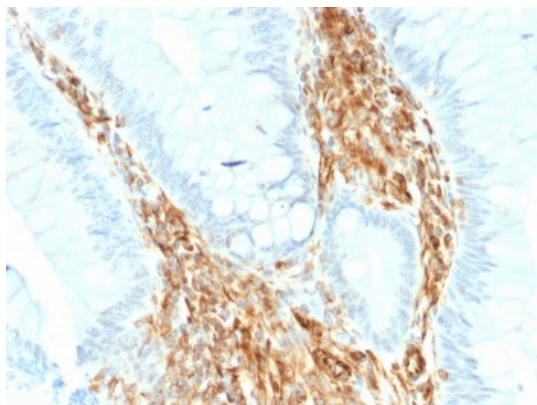
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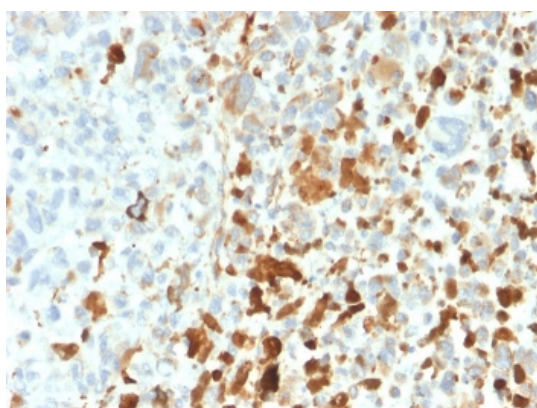
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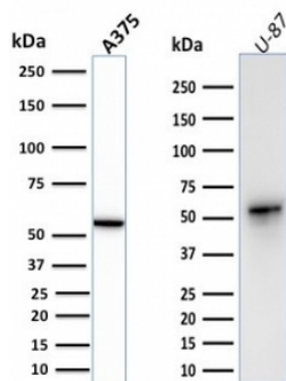
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IHC staining of FFPE human colon carcinoma with recombinant Vimentin antibody (clone VIM/1937R). HIER: boil tissue sections in pH9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human melanoma with recombinant Vimentin antibody (clone VIM/1937R). HIER: boil tissue sections in pH9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



Western blot testing of human A375 and U-87 cell lysate with Vimentin antibody (clone VIM/1937R). Expected molecular weight: 53-58 kDa.

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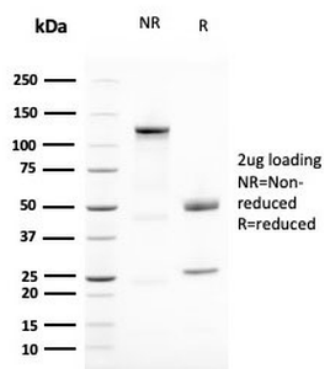
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SDS-PAGE analysis of purified, BSA-free Vimentin antibody (clone VIM/1937R) as confirmation of integrity and purity.

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