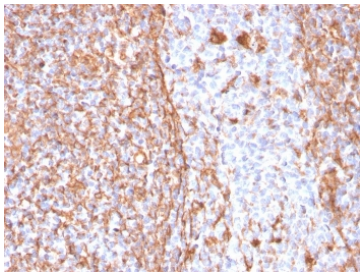
Recombinant Vimentin Antibody [clone VIM/1937R] (V8356)

Catalog No.	Formulation	Size
V8356-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V8356-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V8356SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

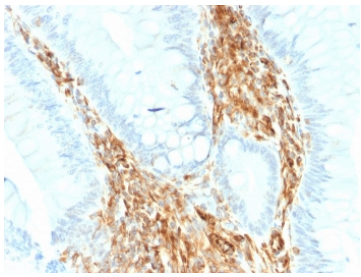
Recombinant RABBIT MONOCLONAL

Bulk quote request

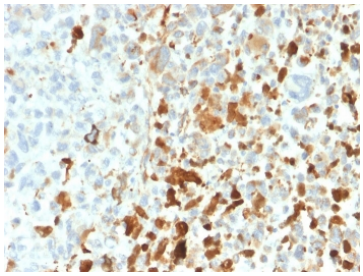
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG, kappa
Clone Name	VIM/1937R
Purity	Protein A affinity chromatography
UniProt	P08670
Localization	Cytoplasmic
Applications	Western Blot : 1-2ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml
Limitations	This recombinant Vimentin antibody is available for research use only.



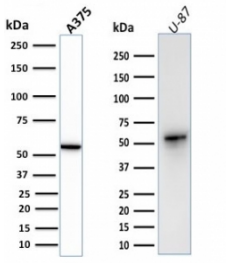
IHC staining of FFPE human tonsil with recombinant Vimentin antibody (clone VIM/1937R). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



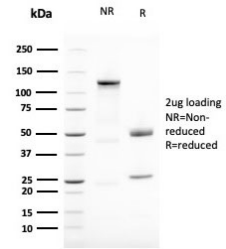
IHC staining of FFPE human colon carcinoma with recombinant Vimentin antibody (clone VIM/1937R). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human melanoma with recombinant Vimentin antibody (clone VIM/1937R). HIER: boil tissue sections in pH 9 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.



SDS-PAGE analysis of purified, BSA-free Vimentin antibody (clone VIM/1937R) 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

Full length recombinant protein was used as the immunogen for this recombinant Vimentin antibody.

Storage

Store the recombinant Vimentin antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).