Recombinant Vimentin (Mesenchymal Cell Marker) Antibody

Rabbit Monoclonal Antibody [Clone VIM/6576R]

Catalog No	Format	Size
7431-RBM13-P0	Purified Ab with BSA and Azide	200ug/ml
7431-RBM13-P1	Purified Ab with BSA and Azide	200ug/ml
7431-RBM13-P1ABX	Purified Ab WITHOUT BSA and Azide	1.0mg/ml

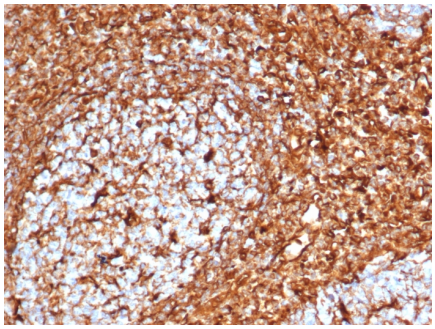
Applications	Tested Dillution
Immunohistochemistry (IHC)	1-2ug/ml
Western Blot (WB)	2-4ug/ml

Product Details

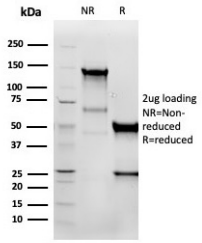
Clone	VIM/6576R
Gene Name	VIM
Immunogen	Recombinant full-length human Vimentin protein
Host	Rabbit
Clonality	Monoclonal
Isotype / Light Chain	IgG / Kappa
Mol. Weight of Antigen	57-60kDa
Cellular Localization	Cell membrane, Cytoplasm, Cytoskeleton, Nucleus matrix
Species Reactivity	Cat, Chicken, Cow, Dog, Horse, Human, Pig
Positive Control	Raji, U87, Jurkat or HeLa cells. Human lymph node or tonsil.

**Optimal dilution for a specific application should be determined.*

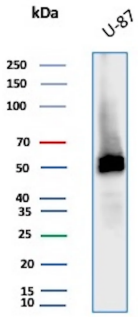
Product Images for Recombinant Vimentin (Mesenchymal Cell Marker) Antibody



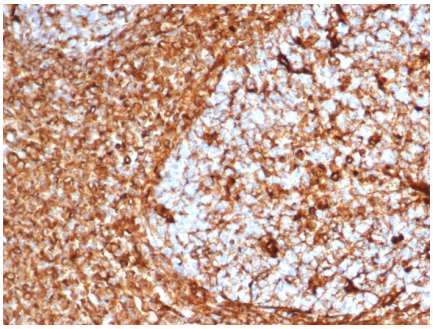
Formalin-fixed, paraffin-embedded human tonsil stained with Vimentin Recombinant Rabbit Monoclonal Antibody (VIM/6576R).



SDS-PAGE Analysis of Purified Vimentin Recombinant Rabbit Monoclonal Antibody (VIM/6576R). Confirmation of Purity and Integrity of Antibody.



Western Blot Analysis of human U-87 lysate using VIM Rabbit Recombinant Monoclonal Antibody (VIM/6576R).



Formalin-fixed, paraffin-embedded human tonsil stained with Vimentin Recombinant Rabbit Monoclonal Antibody (VIM/6576R).

Specificity & Comments

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.

Research Areas

Cytokine Signaling, Immunology, Neural Stem Cells, Ovarian Cancer, Signal Transduction, Stem Cell Differentiation

Known Applications & Suggested Dilutions

Western Blot (1-2ug/ml) | ,Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes at RT),(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95 &degC followed by cooling at RT for 20 minutes),Optimal dilution for a specific application should be determined.

Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Limitations and Warranty

This antibody is available for research use only and is not approved for diagnosis.

There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

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