

9853 Pacific Heights Blvd. Suite D. San Diego, CA 92121, USA Tel: 858-263-4982

Email: info@abeomics.com

36-1802: Monoclonal Antibody to Vimentin (Mesenchymal Cell Marker)(Clone: VM1170)

Clonality: Monoclonal VM1170 Clone Name: Application: WB.IHC Reactivity: Human Gene: VIM Gene ID: 7431 **Uniprot ID:** P08670 Format: Purified **Alternative Name:** VIM

Isotype: Mouse IgG1, kappa

Immunogen Information: Recombinant full-length human vimentin protein

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.

Product Info

Amount : 100 μg

Purification: Affinity Chromatography

Content: 100 μg in 500 μl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly

toxic.

Storage condition:

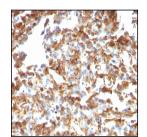
Storage condition:

Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid

repeated freeze and thaw cycles.

Application Note

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°C followed by cooling at RT for 20 minutes);

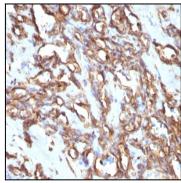


Formalin-fixed, paraffin-embedded human Melanoma stained with Vimentin Monoclonal Antibody (VM1170).

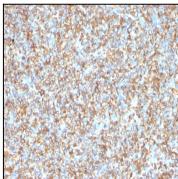


9853 Pacific Heights Blvd. Suite D. San Diego, CA 92121, USA Tel: 858-263-4982

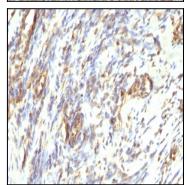
Email: info@abeomics.com



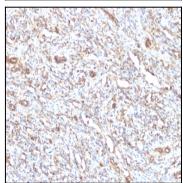
Formalin-fixed, paraffin-embedded human Angiosarcoma stained with Vimentin Monoclonal Antibody (VM1170).



Formalin-fixed, paraffin-embedded human Ewing's Sarcoma stained with Vimentin Monoclonal Antibody (VM1170).



Formalin-fixed, paraffin-embedded human Leiomyosarcoma stained with Vimentin Monoclonal Antibody (VM1170).

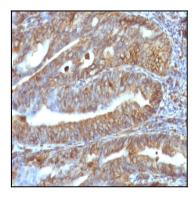


Formalin-fixed, paraffin-embedded human Rhabdomyosarcoma stained with Vimentin Monoclonal Antibody (VM1170).



9853 Pacific Heights Blvd. Suite D. San Diego, CA 92121, USA Tel: 858-263-4982

Email: info@abeomics.com



Formalin-fixed, paraffin-embedded human Uterus stained with Vimentin Monoclonal Antibody (VM1170).