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antibody and ELISA experts

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Anti-Vimentin Rabbit Monoclonal Antibody

Catalog Number: M00235-1

About VIM

C3 plays a central role in the activation of the complement system. Its processing by C3 convertase is the central reaction in both classical and alternative complement pathways. After activation C3b can bind covalently, via its reactive thioester, to cell surface carbohydrates or immune aggregates.

Overview

Product Name	Anti-Vimentin Rabbit Monoclonal Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Vimentin Rabbit Monoclonal Antibody catalog # M00235-1. Tested in WB, IHC, ICC/IF, Flow Cytometry applications. This antibody reacts with Human, Mouse, Rat.
Application	Flow Cytometry, IF, IHC, ICC, WB
Clonality	Monoclonal AGF-22
Formulation	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P08670

Technical Details

Immunogen	A synthesized peptide derived from human Vimentin
Isotype	Rabbit IgG
Form	Liquid
Concentration	Actual concentration vary by lot. Use suggested dilution ratio to decide dilution procedure.
Purification	Affinity-chromatography
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit. If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples. Some PubMed article(s) citing the expression level of this target are as follows: Boster Bio's internal QC testing used:

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	WB 1:1000-1:5000 IHC 1:200-1:1000 ICC/IF 1:50-1:200 FC 1:50

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Anti-Vimentin Rabbit Monoclonal Antibody (M00235-1) Images

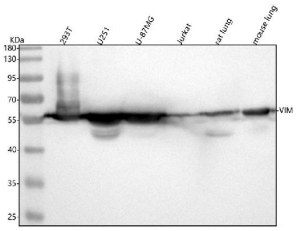
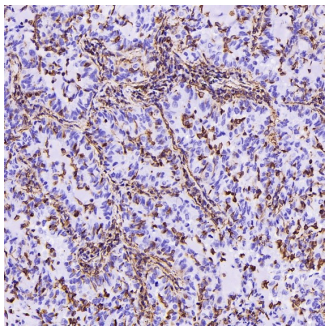
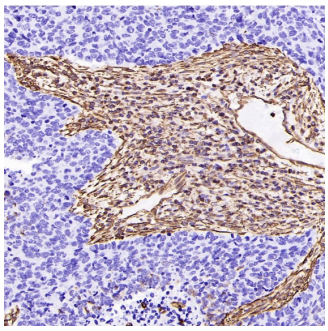


Figure 1. Western blot analysis of Vimentin using anti-Vimentin antibody (M00235-1).
Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.
Lane 1: human 293T whole cell lysates,
Lane 2: human U251 whole cell lysates,
Lane 3: human U-87MG whole cell lysates,
Lane 4: human Jurkat whole cell lysates,
Lane 5: rat lung tissue lysates,
Lane 6: mouse lung tissue lysates.
After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-Vimentin antigen affinity purified monoclonal antibody (Catalog # M00235-1) at 1:1000 overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for Vimentin at approximately 54 kDa. The expected band size for Vimentin is at 54 kDa.



Immunohistochemical analysis of paraffin-embedded Human lung adenocarcinoma, using the Antibody at 1:1000 dilution.



Immunohistochemical analysis of paraffin-embedded Human lung large cell cancer, using the Antibody at 1:1000 dilution.

Immunohistochemical analysis of paraffin-embedded human colon, using Vimentin Antibody.

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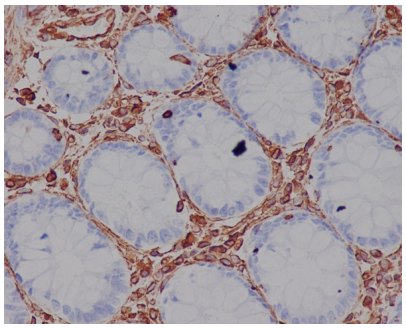

Immunofluorescent analysis of Hela cells, using Vimentin Antibody.

53 Publications Citing This Product

1. PubMed ID: 10.3892/etm.2021.9905, Negative pressure wound therapy enhances bone regeneration compared with conventional therapy in a rabbit radius gap□healing model

2. PubMed ID: 10.3892/ijmm.2019.4226, Botulinum toxin type A prevents the phenotypic transformation of fibroblasts induced by TGF□beta1 via the PTEN/PI3K/Akt signaling pathway

3. PubMed ID: 33656053, Liu S,Xin W,Lu Q,Tang X,Wang F,Shao W,Zhang Y,Qiu J,Hua K. Knockdown of lncRNA H19 suppresses endometriosis in vivo. Braz J Med Biol Res.2021 Feb 26;54(4):e10117.doi:10.1590/1414-431X202010117.PMID:33656053;PMCID:PMC7917710.

Visit bosterbio.com/anti-vimentin-rabbit-monoclonal-antibody-m00235-1-boster.html to see all 53 publications.

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