

Anti-Integrin alpha V ITGAV Rabbit Monoclonal Antibody

Catalog Number: M01561

About ITGAV

Furin is likely to represent the ubiquitous endoprotease activity within constitutive secretory pathways and capable of cleavage at the RX (K/R) R consensus motif.

Overview

Product Name	Anti-Integrin alpha V ITGAV Rabbit Monoclonal Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Integrin alpha V ITGAV Rabbit Monoclonal Antibody catalog # M01561. Tested in WB, IHC, ICC/IF, IP applications. This antibody reacts with Human, Mouse, Rat.
Application	IP, IF, IHC, ICC, WB
Clonality	Monoclonal ABGC-9
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	P06756

Technical Details

Immunogen	A synthesized peptide derived from human Integrin alpha V
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: WB 1:500-1:2000

	IHC 1:50-1:200 ICC/IF 1:50-1:200 IP 1:40
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Anti-Integrin alpha V ITGAV Rabbit Monoclonal Antibody (M01561) Images

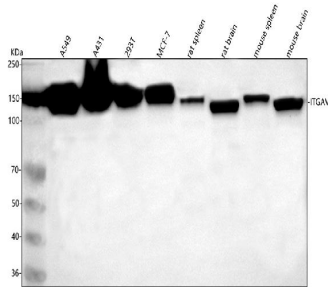
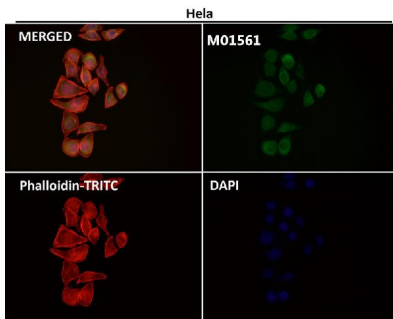


Figure 1. Western blot analysis of ITGAV using anti-ITGAV antibody (M01561).

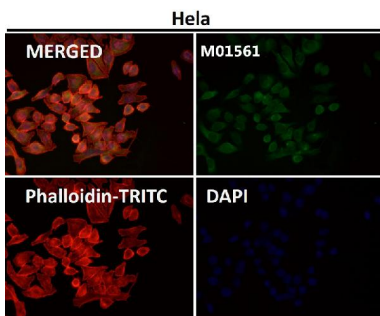
Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: human A549 whole cell lysates,
Lane 2: human A431 whole cell lysates,
Lane 3: human 293T whole cell lysates,
Lane 4: human MCF-7 whole cell lysates,
Lane 5: rat spleen tissue lysates,
Lane 6: rat brain tissue lysates,
Lane 7: mouse spleen tissue lysates,
Lane 8: mouse brain 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-ITGAV antigen affinity purified monoclonal antibody (Catalog # M01561) at 1:500 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 1:1000 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 ITGAV at approximately 130, 140, 150 kDa. The expected band size for ITGAV is at 116 kDa.

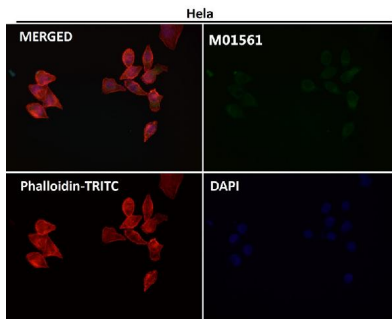
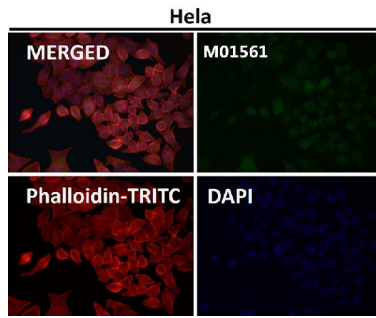


Immunofluorescent analysis using the Antibody at 1:50 dilution.



Immunofluorescent analysis using the Antibody at 1:50 dilution.

Immunofluorescent analysis using the Antibody at 1:150 dilution.



Immunofluorescent analysis using the Antibody at 1:500 dilution.

4 Publications Citing This Product

1. PubMed ID: 25666351, Chen Q, Zhang Z, Liu J, He Q, Zhou Y, Shao G, Sun X, Cao X, Gong A, Jiang P. Mol Cells. 2015 Mar;38(3):221-8. Doi: 10.14348/Molcells.2015.2170. Epub 2015 Feb 4. A Fibrin Matrix Promotes The Differentiation Of Emcs Isolated From Nasal Respiratory ...
2. PubMed ID: 29312560, Xuan J, Chen Y, Zhu L, Guo Y, Deng L, Zheng Y, Wang Z, Wang Z, Ao M. Oncotarget. 2017 Sep 28;8(65):108676-108691. doi: 10.18632/oncotarget.21358. eCollection 2017 Dec 12. Ultrasound molecular imaging with cRGD-PLGA-PFOB nanoparticles for liver fib...
3. PubMed ID: 21747684, Study on the Expression and Clinical Significances of Lewis y Antigen and Integrin $\alpha_v\beta_3$ in Epithelial Ovarian Tumors

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