

Integrin alpha V Rabbit mAb

Catalog No: #52035

Package Size: #52035-1 50ul #52035-2 100ul

Orders: order@signalwayantibody.com

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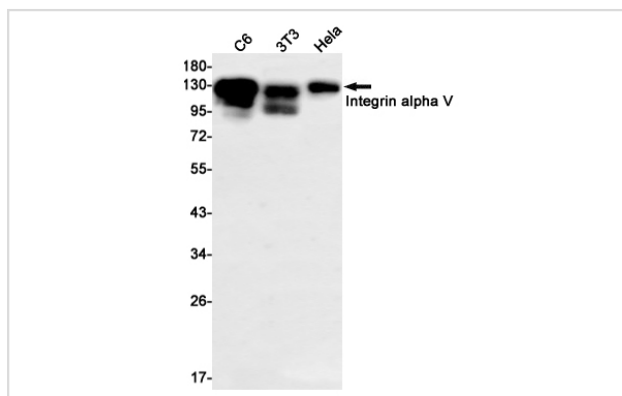
Description

Product Name	Integrin alpha V Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	S03-6E3
Isotype	Rabbit IgG
Purification	Affinity Purified
Applications	WB IHC
Species Reactivity	Human,Mouse,Rat
Immunogen Description	Recombinant protein of human Integrin alpha V
Conjugates	Unconjugated
Modification	Unmodification
Other Names	CD51; integrin alpha V; ITAV; MSK8; vitronectin receptor alpha; VNRA; ITGB6;
Accession No.	Swiss-Prot:P06756GenelD:3685
Uniprot	P06756
GenelD	3685
Calculated MW	Calculated MW: 87 kDa; Observed MW: 135 kDa
Concentration	0.3 mg/ml
Formulation	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

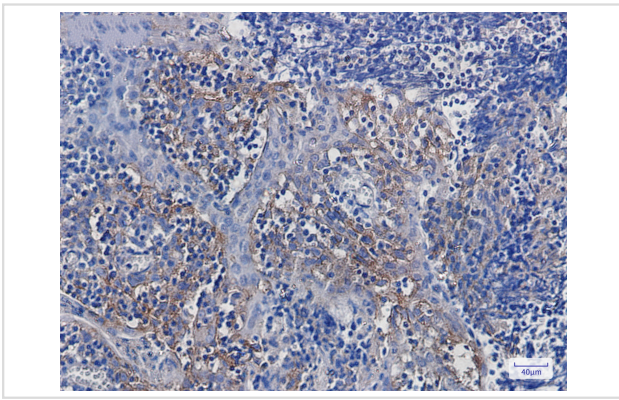
Application Details

WB: 1/1000; IHC: 1/20-1/500

Images



Western blot detection of Integrin alpha V in C6,3T3,HeLa cell lysates using Integrin alpha V Rabbit mAb(1:1000 diluted).Predicted band size:87kDa.Observed band size:135kDa.



Immunohistochemistry of Integrin alpha V in paraffin-embedded Human tonsil using Integrin alpha V Rabbit mAb at dilution 1/100

Background

Swiss-Prot Acc.P06756. The alpha-V (ITGAV) integrins are receptors for vitronectin, cytotactin, fibronectin, fibrinogen, laminin, matrix metalloproteinase-2, osteopontin, osteomodulin, prothrombin, thrombospondin and vWF. They recognize the sequence R-G-D in a wide array of ligands. ITGAV:ITGB3 binds to fractalkine (CX3CL1) and may act as its coreceptor in CX3CR1-dependent fractalkine signaling (PubMed:23125415).

ITGAV:ITGB3 binds to NRG1 (via EGF domain) and this binding is essential for NRG1-ERBB signaling (PubMed:20682778).

ITGAV:ITGB3 binds to FGF1 and this binding is essential for FGF1 signaling (PubMed:18441324).

ITGAV:ITGB3 binds to FGF2 and this binding is essential for FGF2 signaling (PubMed:28302677).

ITGAV:ITGB3 binds to IGF1 and this binding is essential for IGF1 signaling (PubMed:19578119).

ITGAV:ITGB3 binds to IGF2 and this binding is essential for IGF2 signaling (PubMed:28873464).

ITGAV:ITGB3 binds to IL1B and this binding is essential for IL1B signaling (PubMed:29030430).

ITGAV:ITGB3 binds to PLA2G2A via a site (site 2) which is distinct from the classical ligand-binding site (site 1) and this induces integrin conformational changes and enhanced ligand binding to site 1 (PubMed:18635536, PubMed:25398877).

Note: This product is for in vitro research use only