

ARG40935 anti-CD51 / Integrin alpha V antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes CD51 / Integrin alpha V
Tested Reactivity	Hu, Ms, Rat
Tested Application	IHC-P, IP, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	CD51 / Integrin alpha V
Species	Human
Immunogen	Synthetic peptide of Human CD51 / Integrin alpha V.
Conjugation	Un-conjugated
Alternate Names	CD51; VNRA; CD antigen CD51; VTNR; Vitronectin receptor subunit alpha; Integrin alpha-V; MSK8

Application Instructions

Predict Reactivity Note	Mouse								
Application table	<table><thead><tr><th>Application</th><th>Dilution</th></tr></thead><tbody><tr><td>IHC-P</td><td>1:50 - 1:200</td></tr><tr><td>IP</td><td>Assay-dependent</td></tr><tr><td>WB</td><td>1:500 - 1:2000</td></tr></tbody></table>	Application	Dilution	IHC-P	1:50 - 1:200	IP	Assay-dependent	WB	1:500 - 1:2000
Application	Dilution								
IHC-P	1:50 - 1:200								
IP	Assay-dependent								
WB	1:500 - 1:2000								
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.								
Positive Control	SW480								
Observed Size	140 kDa								

Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

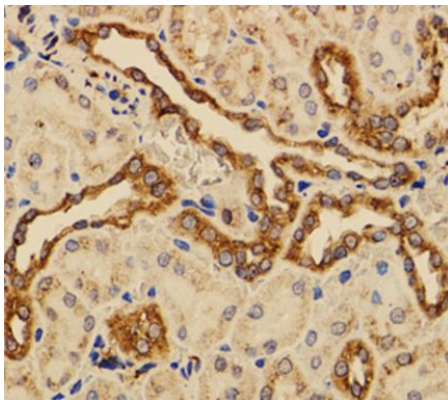
Note

For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

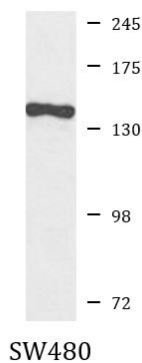
Gene Symbol	ITGAV
Gene Full Name	integrin, alpha V
Background	This gene encodes a protein that is a member of the integrin superfamily. Integrins are heterodimeric integral membrane proteins composed of an alpha chain and a beta chain. This protein undergoes post-translational cleavage to yield disulfide-linked heavy and light chains that combine with multiple integrin beta chains to form different integrins. This protein has been shown to heterodimerize with beta 1, beta 3, beta 5, beta 6, and beta 8; the heterodimer of alpha v and beta 3 is the Vitronectin receptor. This protein interacts with several extracellular matrix proteins to mediate cell adhesion and may play a role in cell migration. It is proposed that this protein may regulate angiogenesis and cancer progression. Alternative splicing results in multiple transcript variants that encode different protein isoforms. Note that the integrin alpha 5 and integrin alpha V chains are produced by distinct genes. [provided by RefSeq, Jan 2015]
Function	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. In case of HIV-1 infection, the interaction with extracellular viral Tat protein seems to enhance angiogenesis in Kaposi's sarcoma lesions. [UniProt]
Calculated Mw	116 kDa
Cellular Localization	Membrane; Single-pass type I membrane protein. Cell junction, focal adhesion. [UniProt]

Images



ARG40935 anti-CD51 / Integrin alpha V antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Rat kidney tissue stained with ARG40935 anti-CD51 / Integrin alpha V antibody at 1:50 dilution.



ARG40935 anti-CD51 / Integrin alpha V antibody WB image

Western blot: 25 µg of SW480 cell lysate stained with ARG40935 anti-CD51 / Integrin alpha V antibody at 1:500 dilution.