

Product Information

Size:

50ug

Reactivity:

Human

Source:

Rabbit

Isotype:

IgG

Applications:

ELISA, WB, IHC, IF

Recommended dilutions:

ELISA:1:2000-1:10000, WB:1:500-1:5000,
IHC:1:20-1:200, IF:1:50-1:200

Protein Background:

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. ITGAV: ITGB3 binds to NRG1 (via EGF domain) and this binding is essential for NRG1-ERBB signaling. ITGAV: ITGB3 binds to FGF1 and this binding is essential for FGF1 signaling. ITGAV: ITGB3 binds to IGF1 and this binding is essential for IGF1 signaling. 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. ITGAV: ITGB3 and ITGAV: ITGB6 act as a receptor for fibrillin-1 (FBN1) and mediate R-G-D-dependent cell adhesion to FBN1.

Gene ID:

ITGAV

Uniprot

P06756

Synonyms:

Integrin alpha-V (Vitronectin receptor) (Vitronectin receptor subunit alpha) (CD antigen CD51) [Cleaved into: Integrin alpha-V heavy chain; Integrin alpha-V light chain], ITGAV, MSK8 VNRA VTNR

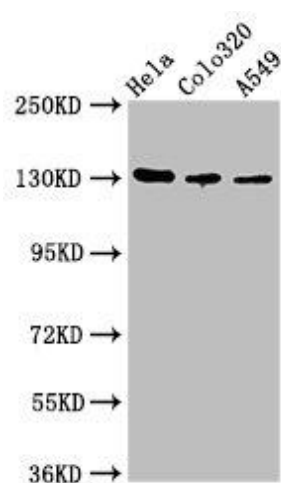
Immunogen:

Recombinant Human Integrin alpha-V protein (775-885AA).

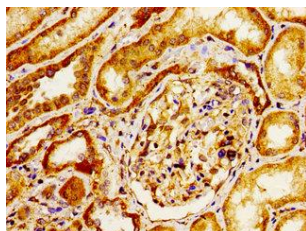
Storage:

Preservative: 0.03% Proclin 300. Constituents: 50% Glycerol, 0.01M PBS, pH 7.4

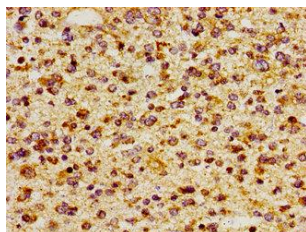
Product Images



Western Blot. Positive WB detected in: HeLa whole cell lysate, Colo320 whole cell lysate, A549 whole cell lysate. All lanes: ITGAV antibody at 2.7 μ g/ml. Secondary. Goat polyclonal to rabbit IgG at 1/50000 dilution. Predicted band size: 117, 113, 112 kDa. Observed band size: 130 kDa.



Immunohistochemistry of paraffin-embedded human kidney tissue using PACO54838 at dilution of 1:100.



Immunohistochemistry of paraffin-embedded human glioma using PACO54838 at dilution of 1:100.