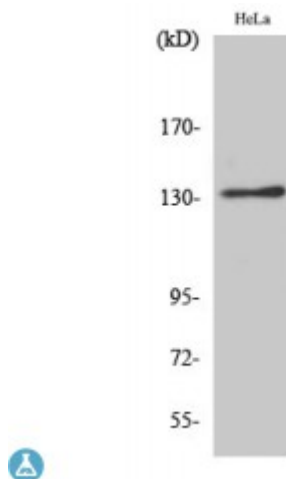


Anti-Integrin alpha antibody



Description	Rabbit polyclonal to Integrin alphaV.
Model	STJ93730
Host	Rabbit
Reactivity	Human, Mouse
Applications	ELISA, IHC, WB
Immunogen	Synthesized peptide derived from human Integrin alphaV.
Immunogen Region	Internal
Gene ID	3685
Gene Symbol	ITGAV
Dilution range	WB 1:500-1:2000IHC 1:100-1:300ELISA 1:20000
Specificity	Integrin alphaV Polyclonal Antibody detects endogenous levels of Integrin alphaV protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Integrin alpha-V Vitronectin receptor Vitronectin receptor subunit alpha CD antigen CD51 Integrin alpha-V heavy chain Integrin alpha-V light chain
Molecular Weight	135 kDa
Clonality	Polyclonal
Conjugation	Unconjugated

Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:61500MIM:193210
Alternative Names	Integrin alpha-V Vitronectin receptor Vitronectin receptor subunit alpha CD antigen CD51 Integrin alpha-V heavy chain Integrin alpha-V light chain
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. 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 . (Microbial infection) Integrin ITGAV:ITGB5 acts as a receptor for adenovirus type C . Integrin ITGAV:ITGB5 and ITGAV:ITGB3 act as receptors for coxsackievirus A9 and B1 . Integrin ITGAV:ITGB3 acts as a receptor for herpes virus 8/HHV-8 . Integrin ITGAV:ITGB6 acts as a receptor for herpes simplex 1/HHV-1 . Integrin ITGAV:ITGB3 acts as a receptor for Human parechovirus 1 . Integrin ITGAV:ITGB3 acts as a receptor for West Nile virus . In case of HIV-1 infection, the interaction with extracellular viral Tat protein seems to enhance angiogenesis in Kaposi's sarcoma lesions .
Cellular Localization	Membrane. Single-pass type I membrane protein. Cell junction, focal adhesion