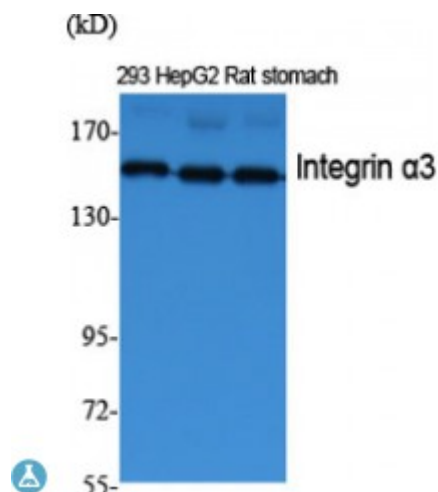


Anti-Integrin alpha antibody



Description	Rabbit polyclonal to Integrin alpha3.
Model	STJ93727
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	ELISA, WB
Immunogen	Synthesized peptide derived from human Integrin alpha3.
Immunogen Region	Internal
Gene ID	3675
Gene Symbol	ITGA3
Dilution range	WB 1:500-1:2000ELISA 1:40000
Specificity	Integrin alpha3 Polyclonal Antibody detects endogenous levels of Integrin alpha3 protein.
Tissue Specificity	Isoform 1 is widely expressed. Isoform 2 is expressed in brain and heart. In brain, both isoforms are exclusively expressed on vascular smooth muscle cells, whereas in heart isoform 1 is strongly expressed on vascular smooth muscle cells, isoform 2 is detected only on endothelial vein cells.
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-3 CD49 antigen-like family member C FRP-2 Galactoprotein B3 GAPB3 VLA-3 subunit alpha CD antigen CD49c Integrin alpha-3 heavy

	chain Integrin alpha-3 light chain
Molecular Weight	150 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:6139 OMIM:605025
Alternative Names	Integrin alpha-3 CD49 antigen-like family member C FRP-2 Galactoprotein B3 GAPB3 VLA-3 subunit alpha CD antigen CD49c Integrin alpha-3 heavy chain Integrin alpha-3 light chain
Function	Integrin alpha-3/beta-1 is a receptor for fibronectin, laminin, collagen, epiligrin, thrombospondin and CSPG4. Integrin alpha-3/beta-1 provides a docking site for FAP (seprase) at invadopodia plasma membranes in a collagen-dependent manner and hence may participate in the adhesion, formation of invadopodia and matrix degradation processes, promoting cell invasion. Alpha-3/beta-1 may mediate with LGALS3 the stimulation by CSPG4 of endothelial cells migration.
Cellular Localization	Cell membrane Cell membrane Cell projection, invadopodium membrane Cell projection, filopodium membrane. Enriched preferentially at invadopodia, cell membrane protrusions that correspond to sites of cell invasion, in a collagen-dependent manner.
Post-translational Modifications	Isoform 1, but not isoform 2, is phosphorylated on serine residues. Phosphorylation increases after phorbol 12-myristate 13-acetate stimulation.