

Rabbit anti-Human, Mouse Integrin alpha3 Polyclonal Antibody | anti-ITGA3 antibody

Integrin alpha3 (CD49c) Antibody

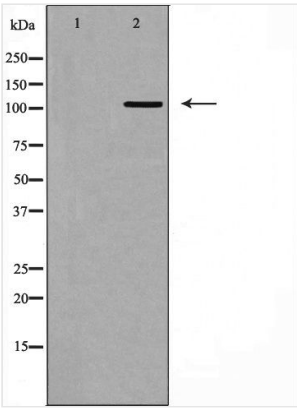
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA321852	Rabbit	Human, Mouse	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

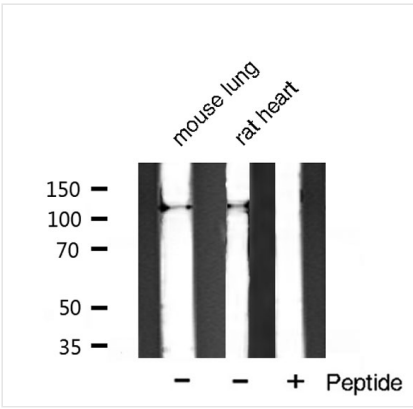
Integrin alpha3; Polyclonal Antibody; Integrin alpha3 (CD49c) Antibody; AA407068; Antigen identified by monoclonal antibody J143; CD49 antigen like family member C; CD49 antigen-like family member C; CD49c; CD49c antigen; FLJ34631; FLJ34704; FRP 2; FRP-2; FRP2; Galactoprotein B3; GAP B3; GAPB3; Integrin alpha 3; Integrin alpha-3 light chain; Integrin; alpha 3 (antigen CD49C; alpha 3 subunit of VLA-3 receptor); ITA3_HUMAN; ITGA 3; Itga3; MSK18; VCA 2; VCA2; Very late activation protein 3 receptor alpha 3 subunit; VL3A; VLA 3 alpha chain; VLA 3 subunit alpha; VLA-3 subunit alpha; VLA3a; anti-ITGA3 antibody

PRODUCT SPECIFICATIONS

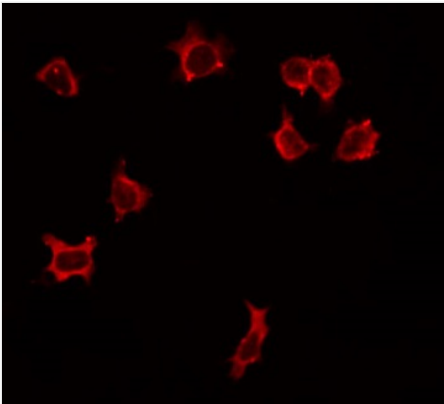
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	Integrin alpha3 (CD49c) antibody detects endogenous levels of total Integrin alpha3 (CD49c)
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	1051
Applicable Applications for anti-ITGA3 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human Integrin alpha3 (CD49c)
Subcellular Location	Membrane.
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.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog
Similarity	Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



WB (Western Blot)
Western blot analysis of Integrin alpha3 (CD49c) expression in HepG2 cell, The lane on the left is treated with the antigen-specific peptide.



WB (Western Blot)
Western blot analysis of extracts of various celllines, using Integrin alpha3 (CD49c) Antibody.



IF (Immunofluorescence)
AAA321852 staining HepG2 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-ITGA3 antibody

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.

Subunit Structure: Heterodimer of an alpha and a beta subunit. The alpha subunit is composed of a heavy and a light chain linked by a disulfide bond. Alpha-3 associates with beta-1. Interacts with HPS5. Interacts with FAP (seprase); the interaction occurs at the cell surface of invadopodia membrane 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.

Similarity: Belongs to the integrin alpha chain family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504747
NCBI GeneID	3675
NCBI Accession #	NP_002195.1
NCBI GenBank Nucleotide #	NM_002204.3

UniProt Accession #	P26006; A7E246; B7ZM80; B9EGQ1; D3DTX4; D3DTX5
Molecular Weight	Observed: 118 kDa Predicted: 117 kDa
NCBI Official Full Name	integrin alpha-3 preproprotein
NCBI Official Synonym Full Names	integrin subunit alpha 3
NCBI Official Symbol	ITGA3
NCBI Official Synonym Symbols	VL3A; CD49C; FRP-2; GAPB3; ILNEB; MSK18; VCA-2; VLA3a; GAP-B3
NCBI Protein Information	integrin alpha-3
UniProt Protein Name	Integrin alpha-3
UniProt Gene Name	ITGA3
UniProt Synonym Gene Names	MSK18; GAPB3

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/integrin-alpha3-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/321852>