

Rabbit anti-Human, Rat ITGA2 Polyclonal Antibody | anti-ITGA2 antibody

ITGA2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA323474	Rabbit	Human, Rat	ELISA, Immunohistochemistry, Western Blot

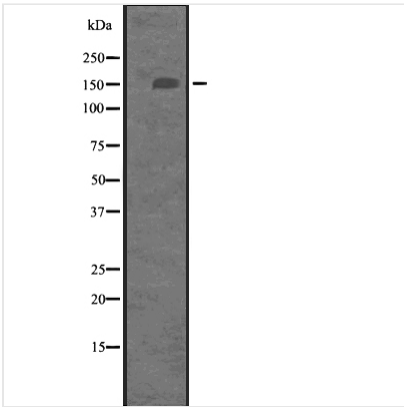
PRODUCT SYNONYMS

ITGA2; Polyclonal Antibody; ITGA2 Antibody; BR; CD 49b; CD49 antigen like family member B; CD49 antigen-like family member B; CD49b; CD49b antigen; Collagen receptor; DX5; Glycoprotein Ia deficiency included; GP Ia; GP Ia deficiency; included; GPIa; HPA 5 included; HPA5 included; Human platelet alloantigen system 5; Integrin alpha 2; Integrin alpha-2; Integrin; alpha 2 (CD49B alpha 2 subunit of VLA 2 receptor); ITA2_HUMAN; Platelet alloantigen Br(a); Platelet antigen Br; Platelet glycoprotein GPIa; Platelet glycoprotein Ia; Platelet glycoprotein Ia/IIa; Platelet membrane glycoprotein Ia; Platelet receptor for collagen; deficiency of; Very late activation protein 2 receptor alpha 2 subunit; VLA 2 alpha chain; VLA 2; VLA 2 subunit alpha; VLA-2 subunit alpha; VLA2; VLA2 receptor alpha 2 subunit; VLAA2; anti-ITGA2 antibody

PRODUCT SPECIFICATIONS

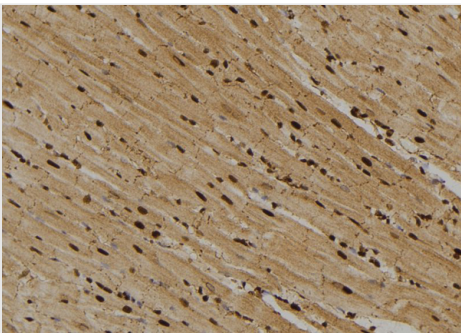
Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	ITGA2 antibody detects endogenous levels of total ITGA2
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	1181
Applicable Applications for anti-ITGA2 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog
Similarity	Pig (90%), Bovine (82%), Horse (91%), Sheep (82%), Rabbit (82%), Dog (91%)
Conjugation	Unconjugated

IMAGES



WB (Western Blot)

Western blot analysis of ITGA2 expression in Human platelet lysate. The lane on the left is treated with the antigen-specific peptide.



IHC (Immunohistochemistry)

AAA323474 at 1/100 staining Rat heart tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-ITGA2 antibody

Description: Integrin alpha-2/beta-1 is a receptor for laminin, collagen, collagen C-propeptides, fibronectin and E-cadherin. It recognizes the proline-hydroxylated sequence G-F-P-G-E-R in collagen. It is responsible for adhesion of platelets and other cells to collagens, modulation of collagen and collagenase gene expression, force generation and organization of newly synthesized extracellular matrix.

Subunit Structure: Heterodimer of an alpha and a beta subunit. Alpha-2 associates with beta-1. Interacts with HPS5 and RAB21.

Similarity: The integrin I-domain (insert) is a VWFA domain. Integrins with I-domains do not undergo protease cleavage. Belongs to the integrin alpha chain family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	116295258
NCBI GeneID	3673
NCBI Accession #	NP_002194.2
NCBI GenBank Nucleotide #	NM_002203.3
UniProt Accession #	P17301; Q14595
Molecular Weight	Observed: 150 kDa Predicted: 130 kDa
NCBI Official Full Name	integrin alpha-2
NCBI Official Synonym Full Names	integrin subunit alpha 2
NCBI Official Symbol	ITGA2
NCBI Official Synonym Symbols	BR; GPIa; CD49B; HPA-5; VLA-2; VLAA2
NCBI Protein Information	integrin alpha-2
UniProt Protein Name	Integrin alpha-2
UniProt Gene Name	ITGA2
UniProt Synonym Gene Names	CD49B; GPIa

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.

