

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

ITGA2 Antibody (C-term)

CATALOG # AAA285705	HOST Rabbit	REACTIVITY Human	APPLICATIONS ELISA, Western Blot
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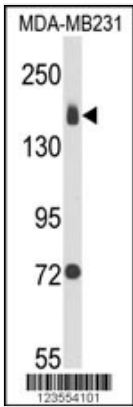
PRODUCT SYNONYMS

ITGA2; Polyclonal Antibody; ITGA2 Antibody (C-term); Integrin alpha-2; CD49 antigen-like family member B; Collagen receptor; Platelet membrane glycoprotein Ia; GPIa; VLA-2 subunit alpha; CD49b; CD49B; anti-ITGA2 antibody

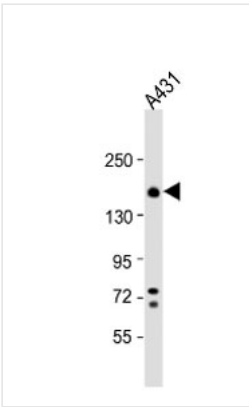
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This ITGA2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1023-1049 amino acids from the C-terminal region of human ITGA2.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Sequence Positions	1023-1049
Sequence Length	1181
Applicable Applications for anti-ITGA2 antibody	ELISA, WB (Western Blot)
Calculated MW	129295
Function	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
Cellular Location	Membrane; Single-pass type I membrane protein
Preparation and Storage	Maintain refrigerated at 2-8°C for up to 2 weeks.. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)
Western blot analysis of ITGA2 Antibody (C-term) in MDA-MB231 cell line lysates (35ug/lane). ITGA2 (arrow) was detected using the purified Pab.



Application Data
Anti-ITGA2 Antibody (C-term) at 1:1000 dilution + A431 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 129 kDa Blocking/Dilution buffer: 5% NFDm/TBST

ADDITIONAL INFORMATION

Related Product Information for anti-ITGA2 antibody	ITGA2 id a protein that belongs to the integrin alpha chain family. Integrins are heterodimeric integral membrane glycoproteins composed of a distinct alpha chain and a common beta chain. They are found on a wide variety of cell types including, T cells, fibroblasts and platelets. Integrins are involved in cell adhesion and also participate in cell-surface mediated signalling.
Product Categories/Family for anti-ITGA2 antibody	Cancer; Immunology; Microbiology
References	Ye,F., Hu,G., et.al., J. Cell Biol. 188 (1), 157-173 (2010) Jokinen,J., et.al., EMBO J. 29 (1), 196-208 (2010)

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
NCBI Official Full Name	integrin alpha-2
NCBI Official Synonym Full Names	integrin, alpha 2 (CD49B, alpha 2 subunit of VLA-2 receptor)
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
UniProt Entry Name	ITA2_HUMAN

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.

