ITGA6 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	ITGA6, Polyclonal Antibody
Full Product Name	ITGA6 Antibody, HRP conjugated
Product Gene Name	anti-ITGA6 antibody
Product Synonym Names	Integrin alpha-6; CD49 antigen-like family member F; VLA-6; CD_antigen: CD49f; Integrin alpha-6 heavy chain; Integrin alpha-6 light chain; Processed integrin alpha-6; Alpha6p; ITGA6
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid
Purity/Purification	>95%, Protein G purified
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.
Matching Pairs	Unconjugated Antibody: ITGA6 (MBS7104945) HRP Conjugated Antibody: ITGA6 (MBS7104946)
Molecular Weight	122,358 Da
OMIM	X53586 mRNA
3D Structure	ModBase 3D Structure for P23229
Immunogen	Recombinant Human Integrin alpha-6 protein (625-866AA)
Conjugation	HRP
Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, pH 7.4
Product Categories/Family for anti-ITGA6 antibody	Developmental Biology; Signal Transduction; Stem Cells
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-ITGA6 antibody	ELISA (EIA)
Related Product Information for anti-ITGA6 antibody	Integrin alpha-6/beta-1 is a receptor for laminin on platelets. Integrin alpha-6/beta-4 is a receptor for laminin in epithelial cells and it plays a critical structural role in the hemidesmosome (By similarity). ITGA6:ITGB4 binds to NRG1 (via EGF domain) and this binding is essential for NRG1-ERBB signaling (PubMed:20682778). ITGA6:ITGB4 binds to IGF1 and this binding is essential for IGF1 signaling (PubMed:22351760).
Other Notes	Small volumes of anti-ITGA6 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for ITGA6 purchase	MBS7104946 is an antibody targeting ITGA6. Also known as ITGA6 Antibody, HRP conjugated. Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ITGA6. It may not necessarily be applicable to this product.

NCBI GI #	119395742
NCBI GeneID	3655
NCBI Accession #	NP_000201.2
UniProt Primary Accession #	P23229
UniProt Secondary Accession #	Q08443; Q0MRC7; Q14646; Q16508; Q53RX7; Q59HB7; B2RMU9; B4DG69; B4DKB8; C4AM96; G5E9H1
UniProt Related Accession #	P23229
GenBank Nucleotide #	NM_000210.3
NCBI Official Full Name	integrin alpha-6 isoform b preproprotein
NCBI Official Synonym Full Names	integrin subunit alpha 6
NCBI Official Symbol	ITGA6
NCBI Official Synonym Symbols	CD49f; VLA-6; ITGA6B
UniProt Protein Name	Integrin alpha-6
UniProt Synonym Protein Names	CD49 antigen-like family member F; VLA-6; CD_antigen: CD49f
Protein Family	Integrin
UniProt Gene Name	ITGA6
UniProt Synonym Gene Names	Alpha6p
NCBI Protein Information	integrin alpha-6
NCBI Summary for ITGA6	The gene encodes a member of the integrin alpha chain family of proteins. Integrins are heterodimeric integral membrane proteins composed of an alpha chain and a beta chain that function in cell surface adhesion and signaling. The encoded preproprotein is proteolytically processed to generate light and heavy chains that comprise the alpha 6 subunit. This subunit may associate with a beta 1 or beta 4 subunit to form an integrin that interacts with extracellular matrix proteins including members of the laminin family. The alpha 6 beta 4 integrin may promote tumorigenesis, while the alpha 6 beta 1 integrin may negatively regulate erbB2/HER2 signaling. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2015]
UniProt Comments for ITGA6	Integrin alpha-6/beta-1 is a receptor for laminin on platelets. Integrin alpha-6/beta-4 is a receptor for laminin in epithelial cells and it plays a critical structural role in the hemidesmosome (). ITGA6:ITGB4 binds to NRG1 (via EGF domain) and this binding is essential for NRG1-ERBB signaling (PubMed:20682778). ITGA6:ITGB4 binds to IGF1 and this binding is essential for IGF1 signaling (PubMed:22351760).
Research Articles on ITGA6	**1.** High ITGA6 expression is associated with colorectal cancer.
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