

Rabbit ITGA4 Polyclonal Antibody | anti-ITGA4 antibody

ITGA4 Antibody

CATALOG # AAA167315	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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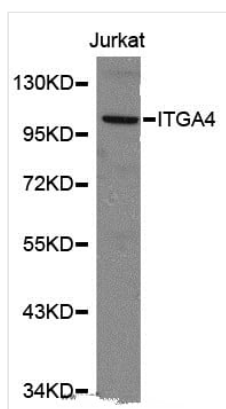
PRODUCT SYNONYMS

ITGA4; Polyclonal Antibody; ITGA4 Antibody; CD49D; IA4; MGC90518; anti-ITGA4 antibody

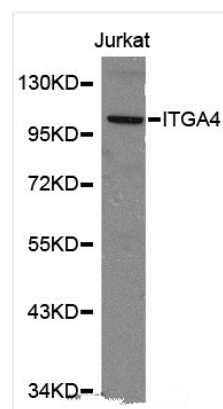
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen affinity purification
Concentration	1mg/mL (varies by lot)
Sequence Length	277
Applicable Applications for anti-ITGA4 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Recombinant protein of human ITGA4
Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3
Preparation and Storage	Store at -20 degree C (regular) and -80 degree C (long term). Avoid freeze / thaw cycles.

IMAGES



Application Data



WB (Western Blot)

Western blot analysis of Jurkat cell lysate using ITGA4 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-ITGA4 antibody	Integrins are alpha/beta heterodimeric cell surface receptors that play a pivotal role in cell adhesion and migration, as well as in growth and survival (1, 2). The integrin family contains at least 18 alpha and 8 beta subunits that form 24 known integrins with distinct tissue distribution and overlapping ligand specificities (3). Integrins not only transmit signals to cells in response to the extracellular environment (outside-in signaling), but also sense intracellular cues to alter their interaction with the extracellular environment (inside-out signaling) (1, 2). A pair of important alpha4 integrins, alpha4beta1 and alpha4beta7, interact with VCAM-1, fibronectin, and MAdCAM-1 at cell adhesions (3). Gene knockout and antibody blocking research reveal that alpha4 integrins play important roles in embryonic liver and heart development and in fetal lymphocyte homing (4-6). Phosphorylation at Ser988 within the cytoplasmic tail of integrin alpha4 blocks binding to paxillin and promotes leading edge migration (7, 8). On SDS-PAGE, integrin alpha4 can migrate at several different apparent molecular sizes, a 150 kDa mature protein and a 140 kDa precursor protein (a 180 kDa protein also exists under mild non-reducing conditions) (9). Integrin alpha4 has a cleavage site at Arg558, which results in a small portion of the protein as either an 80 kDa N-terminal or 70 kDa C-terminal fragment (10).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	51330376
NCBI GeneID	3676
Molecular Weight	21,536 Da
NCBI Official Full Name	ITGA4 protein
NCBI Official Synonym Full Names	integrin, alpha 4 (antigen CD49D, alpha 4 subunit of VLA-4 receptor)
NCBI Official Symbol	ITGA4
NCBI Official Synonym Symbols	IA4; CD49D
NCBI Protein Information	integrin alpha-4; 269C wild type; CD49 antigen-like family member D; VLA-4 subunit alpha; antigen CD49D, alpha-4 subunit of VLA-4 receptor; integrin alpha 4; integrin alpha-4 subunit; integrin alpha-IV; very late activation protein 4 receptor, alpha 4 subunit
UniProt Protein Name	Integrin alpha-4
UniProt Gene Name	ITGA4
UniProt Synonym Gene Names	CD49D
UniProt Entry Name	ITA4_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.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/itga4-antibody-immunohistochemistry-western-blot-elisa/167315>