

Rabbit anti-Human ITGA4 Polyclonal Antibody | anti-ITGA4 antibody

ITGA4 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA231900	Rabbit	Human	Immunofluorescence, Immunohistochemistry, ELISA

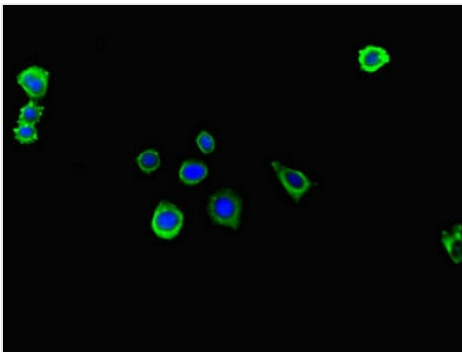
PRODUCT SYNONYMS

ITGA4; Polyclonal Antibody; ITGA4 Antibody; Integrin alpha-4; CD49 antigen-like family member D; Integrin alpha-IV; VLA-4 subunit alpha; CD49d; CD49D; anti-ITGA4 antibody

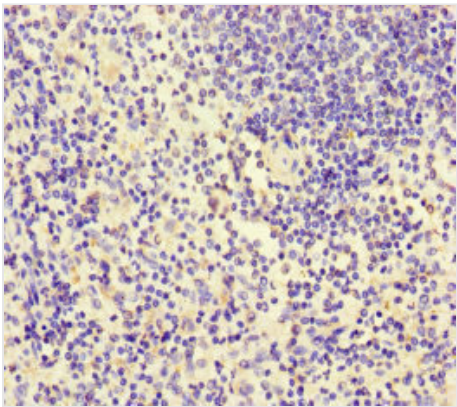
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%, Protein G purified
Form/Format	Liquid
Sequence Length	1032
Applicable Applications for anti-ITGA4 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), ELISA
Species	Human
Immunogen	Recombinant human Integrin alpha-4 protein
Conjugate	Non-conjugated
Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-6590 / sc-6589 / sc-14008
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.

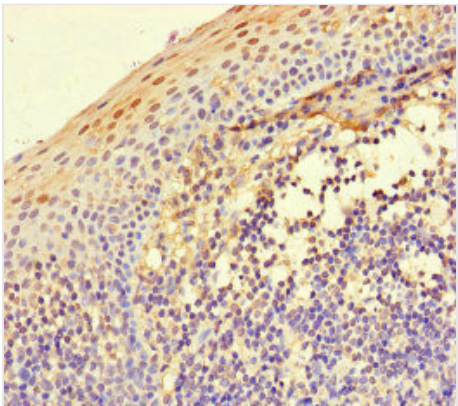
IMAGES



IHC (Immunohistochemisry)
Immunofluorescent analysis of HepG2 cells using AAA231900 at a dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



IHC (Immunohiostchemistry)
Immunohistochemistry of paraffin-embedded human spleen tissue using AAA231900 at dilution of 1:100



IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded human tonsil tissue using AAA231900 at dilution of 1:100

ADDITIONAL INFORMATION

Related Product Information for anti-ITGA4 antibody	Integrins alpha-4/beta-1 (VLA-4) and alpha-4/beta-7 are receptors for fibronectin. They recognize one or more domains within the alternatively spliced CS-1 and CS-5 regions of fibronectin. They are also receptors for VCAM1. Integrin alpha-4/beta-1 recognizes the sequence Q-I-D-S in VCAM1. Integrin alpha-4/beta-7 is also a receptor for MADCAM1. It recognizes the sequence L-D-T in MADCAM1. On activated endothelial cells integrin VLA-4 triggers homotypic aggregation for most VLA-4-positive leukocyte cell lines. It may also participate in cytolytic T-cell interactions with target cells. ITGA4:ITGB1 binds to fractalkine (CX3CL1) and may act as its coreceptor in CX3CR1-dependent fractalkine signaling (PubMed:23125415). ITGA4:ITGB1 binds to PLA2G2A via a site (site 2) which is distinct from the classical ligand-binding site (site 1) and this induces integrin conformational changes and enhanced ligand binding to site 1 (PubMed:18635536, PubMed:25398877).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	67191027
NCBI GeneID	3676
NCBI Accession #	NP_000876.3
NCBI GenBank Nucleotide #	NM_000885.5
UniProt Accession #	P13612; Q7Z4L6; D3DPG4; AAB25486
Molecular Weight	21,536 Da

NCBI Official Full Name	integrin alpha-4 isoform 1 preproprotein
NCBI Official Synonym Full Names	integrin subunit alpha 4
NCBI Official Symbol	ITGA4
NCBI Official Synonym Symbols	IA4; CD49D
NCBI Protein Information	integrin alpha-4
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://stage.aaabiotech.com/polyclonal/itga4-antibody-immunofluorescence-immunohistochemistry-elisa/231900>