

Rabbit anti-Human, Mouse Integrin alpha 1/CD49a Monoclonal Antibody | anti-ITGA1 antibody

Integrin alpha 1/CD49a Rabbit PolymAb

CATALOG # AAA283086	HOST Rabbit	REACTIVITY Human, Mouse	APPLICATIONS ELISA, Western Blot
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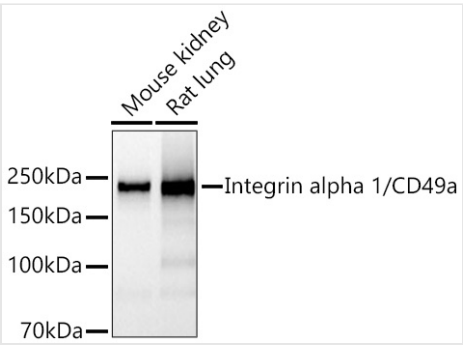
PRODUCT SYNONYMS

Integrin alpha 1/CD49a; Monoclonal Antibody; Integrin alpha 1/CD49a Rabbit PolymAb; VLA1; CD49a; anti-ITGA1 antibody

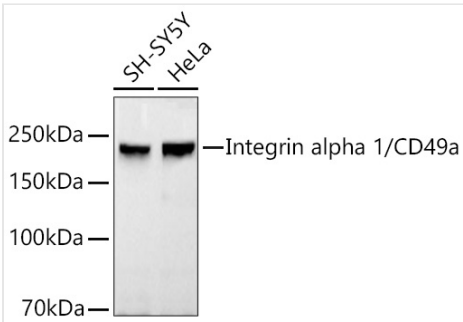
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.09% Sodium azide, 0.05% BSA, 50% glycerol, pH7.3.
Sequence	FNVDVKNSMT FSGPVEDMFG YTVQQYENEE GKWVLIGSPL VGQPKNRTGD VYKCPVGRGE SLPCVKLDLP VNTSIPNVTE VKENMTFGST LVTNPNGGFL ACGPLYAYRC GHLHYTTGIC SDVSPTFQVV NSIAPVQECS TQLDIVIVLD GNSIYPWDS VTAFLNDLLE RMDIGPKQTQ VGIVQYGENV THEFNLNKYS STEEVLVAAK KIVQRGGRQT MTALGIDTAR KEAFTEARGA RRGVKKVMVI VTDGESHDNH RLKKVIQDCE DENIQRFSIA ILGSYNRGNL STEKFVEEIK SIASEPTEKH FFNVSDELAL VTIVKTLGER IFALEATADQ SAASFEMEMS QTGFSAHYSQ DWVMLGAVGA YDWNGTVVMQ KASQIIIPRN TTFNVESTKK NEPLASYLGY TVNSATASSG DVLVIAGQPR YNHTGQVIIY RMEDGNIKIL QTLSGEQIGS YFGSILTSTD IDKDSNTDIL LVGAPMYMG T EKEEQGKVVY YALNQTRFEY QMSLEPIQT CCSSRQHNSC TTENKNEPCG ARFGTAIAAV KDLNLDGFND IVIGAPLEDD HGGAVYIYHG SGKTIKEYA QRIPSGGDGK TLKFFGQSIH GEMDLNGDGL TDVTIGGLGG AALFWSRDVA VVKVTMNFEP NKVNIQKKNC HMEGKETVCI NATVCFDVKL KSKEDTIYEA DLQYRVTLDS LRQISRSFFS GTQERKVQRN ITVRKSECTK HSFYMLDKHD FQDSVRITLD FNLTDPENGP VLDDSLPNSV HEYIPFAKDC GNKEKCISDL SLHVATTEKD LLIVRSQNDK FNVSLTVKNT KDSAYNTRTI VHYSPLNVFS GIEAIQKDSC ESNHNITCKV GYPFLRRGEM VTFKILFQFN TSYLMENVTI YLSATSDSEE PPETLSDNVV NISIPVKYEV GLQFYSSASE YHISIAANET VPEVINSTED IGNEINIFYL IRKSGSFPMP ELKLSISFPN MTSNGYPVLY PTGLSSSENA NCRPHIFEDP FSINSGKKMT TSTDHLKRG T ILDCNTCKFA TITCNLTSSD ISQVNVSLIL WKPTFIKSYF SSLNLTIRGE LRSENASLVL SSSNQKRELA IQISKDGLPG RVP
Applicable Applications for anti-ITGA1 antibody	ELISA, WB (Western Blot)
Cross Reactivity	Human, Mouse, Rat
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 29-1141 of human/mouse Integrin alpha 1/CD49a(NP_852478.1).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



WB (Western Blot)
Western blot analysis of various lysates using Integrin alpha 1/CD49a Rabbit PolymAb® (AAA283086) at 1:25000 dilution incubated overnight at 4?.Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.Lysates/proteins: 25 ug per lane.Blocking buffer: 3% nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 20s.



WB (Western Blot)
Western blot analysis of various lysates using Integrin alpha 1/CD49a Rabbit PolymAb® (AAA283086) at 1:25000 dilution incubated overnight at 4?.Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.Lysates/proteins: 25 ug per lane.Blocking buffer: 3% nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 60s.

ADDITIONAL INFORMATION

Related Product Information for anti-ITGA1 antibody	This gene encodes the alpha 1 subunit of integrin receptors. This protein heterodimerizes with the beta 1 subunit to form a cell-surface receptor for collagen and laminin. The heterodimeric receptor is involved in cell-cell adhesion and may play a role in inflammation and fibrosis. The alpha 1 subunit contains an inserted (I) von Willebrand factor type I domain which is thought to be involved in collagen binding.
Product Categories/Family for anti-ITGA1 antibody	Signal Transduction; PI3K-Akt Signaling Pathway; MAPK-Erk Signaling Pathway; Cell Biology Developmental Biology; Cell Adhesion; Cytoskeleton; Immunology Inflammation; CD; Stem Cells; Mesenchymal Stem Cells; Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	124056463
NCBI GeneID	3672/109700
UniProt Accession #	P56199; Q3V3R4
Molecular Weight	Calculated MW: 131kDa Observed MW: 200kDa
UniProt Protein Name	Integrin alpha-1
UniProt Gene Name	ITGA1
UniProt Entry Name	ITA1_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.