

Rabbit anti-Human Integrin alpha 5 (ITGA5/CD49e) Monoclonal Antibody | anti-ITGA5 antibody

[KD Validated] Integrin alpha 5 (ITGA5/CD49e) Rabbit mAb

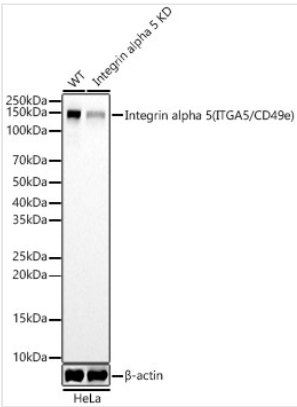
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA282984	Rabbit	Human	ELISA, Western Blot

PRODUCT SYNONYMS

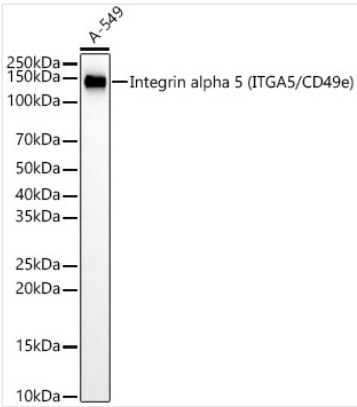
Integrin alpha 5 (ITGA5/CD49e); Monoclonal Antibody; [KD Validated] Integrin alpha 5 (ITGA5/CD49e) Rabbit mAb; FNRA; CD49e; VLA-5; VLA5A; [KD Validated] Integrin alpha 5 (ITGA5/CD49e); anti-ITGA5 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.05% proclin300, 0.05% BSA, 50% glycerol, pH7.3.
Sequence	FNLDAEAPAV LSGPPGSFFG FSVEFYRPGT DGVSVLVGAP KANTSQPGVL QGGAVYLCPW GASPTQCTPI EFDSKGSRL ESSLSSSEGE EPVEYKSLQW FGATVRAHGS SILACAPLYS WRTEKEPLSD PVGTCYLSTD NFRILEYAP CRSDFSWAAG QGYCQGGFSA EFTKTGRVVL GGPGSYFWQG QILSATQEQI AESYYPEYLI NLVQGQLQTR QASSIYDDSY LGYSVAVGEF SGDDTEDFVA GVPKGNLTYG YVTILNGSDI RSLYNFSGEQ MASYFGYAVA ATDVNGDGLD DLLVGAPLLM DRTPDGRPQE VGRVYVYLQH PAGIEPTPTL TLTGHDEFGR FGSSLTPLGD LDQDGYNDVA IGAPFGGETQ QGVVVFVPGG PGGLGSKPSQ VLQPLWAASH TPDFFGSALR GGRDLGNGY PDLIVGSFGV DKAVVYRGRP IVSASASLT I FPAMFNPEER SCSLEGNPVA CINLSFCLNA SGKHVADSIG FTVELQLDWQ KQKGGVRRAL FLASRQATLT QTLIQNGAR EDCREMKIYL RNESEFRDKL SPIHIALNFS LDPQAPVDSH GLRPALHYQS KSRIEDKAQI LLD CGEDNIC VPD LQLEVFG EQNHVYLGDK NALNLTFHAQ NVGEGGAYEA ELRVTAPPEA EYSGLVHRPG NFSSLSCDYF AVNQSRLLVC DLGNPMKAGA SLWGGRLRFTV PHLRDTKKTI QFDFQILSKN LNNSQSDVVS FRLSVEAQAQ VTLNGVSKPE AVLFPVSDWH PRDQPQKEED LGPAVHHVYE LINQGPSSIS QGVLELSCPQ ALEGQQLLYV TRVTGLNCTT NHPINPKGLE LDPEGSLHHQ QKREAPSRSS ASSGPQILKC PEAEFCRLRC ELGPLHQQES QSLQLHFRVW AKTFLQREHQ PFSLQCEAVY KALKMPYRIL PRQLPQKERQ VATAVQWTKA EGSY
Applicable Applications for anti-ITGA5 antibody	ELISA, WB (Western Blot)
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 42-995 of human Integrin alpha 5 (ITGA5/CD49e). (NP_002196.4).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.



WB (Western Blot)
Western blot analysis of lysates from wild type(WT) and Integrin alpha 5 (ITGA5/CD49e) knockdown (KD) HeLa cells, using [KD Validated] Integrin alpha 5 (ITGA5/CD49e) Rabbit mAb (AAA282984) at 1:1000 dilution.Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.Lysates/proteins: 25ug per lane.Blocking buffer: 3% nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 60s.



WB (Western Blot)
Western blot analysis of lysates from A-549 cells, using [KD Validated] Integrin alpha 5 (ITGA5/CD49e) Rabbit mAb (AAA282984) at 1:1000 dilution.Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.Lysates/proteins: 25ug 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-ITGA5 antibody	The product of this gene belongs to the integrin alpha chain family. Integrins are heterodimeric integral membrane proteins composed of an alpha subunit and a beta subunit that function in cell surface adhesion and signaling. The encoded preproprotein is proteolytically processed to generate light and heavy chains that comprise the alpha 5 subunit. This subunit associates with the beta 1 subunit to form a fibronectin receptor. This integrin may promote tumor invasion, and higher expression of this gene may be correlated with shorter survival time in lung cancer patients. Note that the integrin alpha 5 and integrin alpha V subunits are encoded by distinct genes.
Product Categories/Family for anti-ITGA5 antibody	Signal Transduction; G protein signaling; G-Protein-Coupled Receptors Signaling to MAPK Erk; PI3K-Akt Signaling Pathway; MAPK-Erk Signaling Pathway; Cell Biology Developmental Biology; Cell Adhesion; Cytoskeleton; Immunology Inflammation; CD5; Stem Cells;

NCBI AND UNIPROT INFORMATION

NCBI GI #	56237029
NCBI GeneID	3678
NCBI Accession #	NP_002196.2
NCBI GenBank Nucleotide #	NM_002205.2
UniProt Accession #	P08648; Q96HA5
Molecular Weight	Calculated MW: 115kDa Observed MW: 150kDa
UniProt Protein Name	Integrin alpha-5
UniProt Gene Name	ITGA5
UniProt Synonym Gene Names	FNRA
UniProt Entry Name	ITA5_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.