

Rabbit ITGA5 Polyclonal Antibody | anti-ITGA5 antibody

ITGA5 Antibody (Center)

CATALOG # AAA287509	HOST Rabbit	REACTIVITY Human (Predicted Reactivity: Mouse)	APPLICATIONS Immunohistochemistry, ELISA, Western Blot
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PRODUCT SYNONYMS

ITGA5; Polyclonal Antibody; ITGA5 Antibody (Center); Integrin alpha-5; CD49 antigen-like family member E; Fibronectin receptor subunit alpha; Integrin alpha-F; VLA-5; CD49e; Integrin alpha-5 heavy chain; Integrin alpha-5 light chain; FNRA; anti-ITGA5 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Mouse)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This ITGA5 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 575-602 amino acids from the Central region of human ITGA5.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	575-602
Sequence Length	1,049
Applicable Applications for anti-ITGA5 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)

ITGA5 Antibody (Center) western blot analysis in human uterine tumor and mouse bladder tissue lysates (35ug/lane). This demonstrates the ITGA5 antibody detected the ITGA5 protein (arrow).



IHC (Immunohistochemistry)

ITGA5 Antibody (Center) immunohistochemistry analysis in formalin fixed and paraffin embedded human placenta tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of ITGA5 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of ITGA5 (arrow) using rabbit polyclonal ITGA5 Antibody (Center). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the ITGA5 gene.

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 chain and a beta chain. This gene encodes the integrin alpha 5 chain. Alpha chain 5 undergoes post-translational cleavage in the extracellular domain to yield disulfide-linked light and heavy chains that join with beta 1 to form a fibronectin receptor. In addition to adhesion, integrins are known to participate in cell-surface mediated signalling. [provided by RefSeq].
Product Categories/Family for anti-ITGA5 antibody	Cancer; Signal Transduction
References	Hutton, M.L., et al. Infect. Immun. 78(11):4523-4531(2010) Fang, Z., et al. J. Cell. Biochem. 110(5):1130-1141(2010) Lobert, V.H., et al. Dev. Cell 19(1):148-159(2010) Caicedo-Carvajal, C.E., et al. PLoS ONE 5 (7), E11830 (2010) : Dingemans, A.M., et al. Mol. Cancer 9, 152 (2010) :

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	114536
NCBI Official Full Name	integrin alpha-5
NCBI Official Synonym Full Names	integrin, alpha 5 (fibronectin receptor, alpha polypeptide)
NCBI Official Symbol	ITGA5
NCBI Official Synonym Symbols	FNRA; CD49e; VLA-5; VLA5A
NCBI Protein Information	integrin alpha-5
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.

