

Rabbit anti-Human ITGB7 Polyclonal Antibody | anti-ITGB7 antibody

ITGB7 Antibody (C-term)

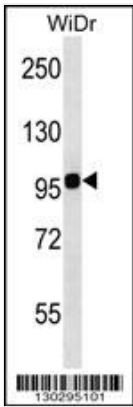
CATALOG # AAA288545	HOST Rabbit	REACTIVITY Human	APPLICATIONS ELISA, Western Blot
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PRODUCT SYNONYMS

ITGB7; Polyclonal Antibody; ITGB7 Antibody (C-term); Integrin beta-7; Gut homing receptor beta subunit; anti-ITGB7 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This ITGB7 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 737-765 amino acids from the C-terminal region of human ITGB7.
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.
Sequence Positions	737-765
Sequence Length	798
Applicable Applications for anti-ITGB7 antibody	ELISA, WB (Western Blot)
Antigen Region	737-765
Cellular Location	Membrane; Single-pass type I membrane protein.
Tissue Location	Expressed in a variety of leukocyte lines.
Preparation and Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.



WB (Western Blot)
ITGB7 Antibody (C-term) western blot analysis in WiDr cell line lysates (35ug/lane). This demonstrates the ITGB7 antibody detected the ITGB7 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-ITGB7 antibody	Integrin alpha-4/beta-7 (Peyer patches-specific homing receptor LPAM-1) is an adhesion molecule that mediates lymphocyte migration and homing to gut-associated lymphoid tissue (GALT). Integrin alpha-4/beta-7 interacts with the cell surface adhesion molecules MADCAM1 which is normally expressed by the vascular endothelium of the gastrointestinal tract. Interacts also with VCAM1 and fibronectin, an extracellular matrix component. It recognizes one or more domains within the alternatively spliced CS-1 region of fibronectin. Interactions involves the tripeptide L-D-T in MADCAM1, and L-D-V in fibronectin. Binds to HIV-1 gp120, thereby allowing the virus to enter GALT, which is thought to be the major trigger of AIDS disease. Interaction would involve a tripeptide L-D-I in HIV-1 gp120. Integrin alpha-E/beta-7 (HML-1) is a receptor for E-cadherin. Function: Integrin alpha-4/beta-7 (Peyer patches-specific homing receptor LPAM-1) is an adhesion molecule that mediates lymphocyte migration and homing to gut-associated lymphoid tissue (GALT). Integrin alpha-4/beta-7 interacts with the cell surface adhesion molecules MADCAM1 which is normally expressed by the vascular endothelium of the gastrointestinal tract. Interacts also with VCAM1 and fibronectin,an extracellular matrix component. It recognizes one or more domains within the alternatively spliced CS-1 region of fibronectin. Interactions involves the tripeptide L-D-T in MADCAM1, and L-D-V in fibronectin. Binds to HIV-1 gp120, thereby allowing the virus to enter GALT, which is thought to be the major trigger of AIDS disease. Interaction would involve a tripeptide L-D-I in HIV-1 gp120. Integrin alpha-E/beta-7 (HML-1) is a receptor for E-cadherin.
Product Categories/Family for anti-ITGB7 antibody	Signal Transduction
References	Cicala, C., et al. Proc. Natl. Acad. Sci. U.S.A. 106(49):20877-20882(2009) Pentikainen, U., et al. J. Mol. Biol. 393(3):644-657(2009) Lad, Y., et al. J. Biol. Chem. 283(50):35154-35163(2008) Monteiro, P., et al. Biochem. Biophys. Res. Commun. 358(2):442-448(2007) Le Floch, A., et al. J. Exp. Med. 204(3):559-570(2007)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504777
NCBI GeneID	3695
NCBI Accession #	NP_000880.1
NCBI GenBank Nucleotide #	NM_000889.2
UniProt Accession #	P26010; Q9UCP7; Q9UCS7
Molecular Weight	86903
NCBI Official Full Name	integrin beta-7

NCBI Official Synonym Full Names	integrin, beta 7
NCBI Official Symbol	ITGB7
NCBI Protein Information	integrin beta-7
UniProt Protein Name	Integrin beta-7
UniProt Gene Name	ITGB7
UniProt Entry Name	ITB7_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/itgb7-antibody-western-blot-elisa/288545>