

Rabbit anti-Human Integrin beta 4 Polyclonal Antibody | anti-ITGB4 antibody

Anti-Integrin beta 4 antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA45677	Rabbit	Human	Immunohistochemistry, Western Blot

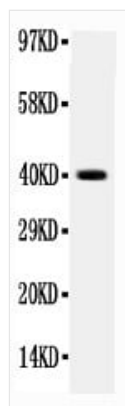
PRODUCT SYNONYMS

Integrin beta 4; Polyclonal Antibody; Anti-Integrin beta 4 antibody; Integrin beta-4; integrin; beta 4; CD 104 antibody; CD104 antibody; CD104 antigen antibody; GP150 antibody; Integrin beta 4 subunit antibody; Integrin beta-4 antibody; ITB4_HUMAN antibody; ITG B4 antibody; ITGB 4 antibody; ITGB4 antibody; anti-ITGB4 antibody

PRODUCT SPECIFICATIONS

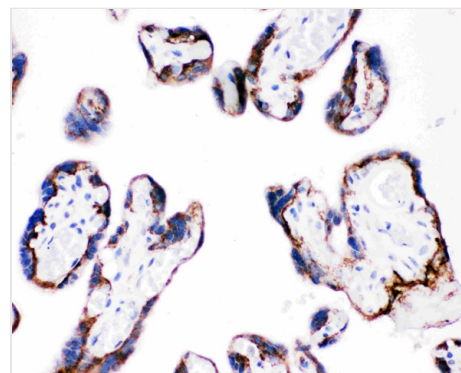
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized
Sequence Length	1822
Applicable Applications for anti-ITGB4 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E Coli-derived human Integrin beta 4 recombinant protein (Position: N28-A266). Human Integrin beta 4 shares 88% and 86% amino acid (aa) sequence identity with mouse and rat Integrin beta 4, respectively.
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



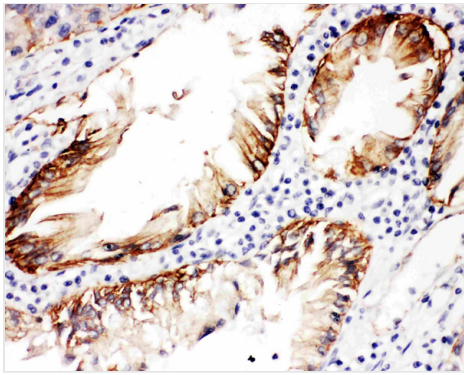
WB (Western Blot)

Anti-Integrin beta 4 Picoband antibody, AAA45677-3.jpg All lanes: Anti-ITGB4(AAA45677) at 0.5ug/ml WB: Recombinant Human Integrin beta4 Protein 0.5ng Predicted bind size: 40KD Observed bind size: 40KD



IHC (Immunohistochemistry)

Anti-Integrin beta 4 Picoband antibody, AAA45677-2.JPG IHC(P): Human Placenta Tissue



IHC (Immunohistochemistry)
Anti-Integrin beta 4 Picoband antibody, AAA45677-1.JPGIHC(P): Human Intestinal Cancer
Tissue

ADDITIONAL INFORMATION

Related Product Information for anti-ITGB4 antibody	Description: Rabbit IgG polyclonal antibody for Integrin beta-4(ITGB4) detection. Tested with WB, IHC-P in Human. Background: ITGB4(Integrin, beta-4), also known as CD104 (Cluster of Differentiation 104), is a human gene. The gene encodes the integrin beta 4 subunits, a receptor for the laminins. This subunit tends to associate with alpha 6 subunits and is likely to play a pivotal role in the biology of invasive carcinoma. The ITGB4 gene is mapped on 17q25.1. Using expression profiling, Yang et al. found that ITGB4 was upregulated 6-fold by ZKSCAN3 in transfected human colon cancer cells compared with parental cells. They confirmed that ZKSCAN3 bound the promoter of ITGB4 in vitro and in vivo. ITGB4 knockdown by short hairpin RNA countered ZKSCAN3-augmented anchorage-independent colony formation in the colon cancer cell lines. The integrin beta-4 subunit is characterized by an unusually long cytoplasmic domain that harbors 4 fibronectin type III (FNIII) repeats, residing in 2 pairs separated by a connecting segment. Vidal et al. found compound heterozygosity for mutations in the ITGB4 gene in an infant with junctional epidermolysis bullosa associated with pyloric atresia.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	317373584
NCBI GeneID	3691
UniProt Accession #	P16144; O14690; O14691; O15339; O15340; O15341; Q0VF97; Q9UIQ4; A0AVL6
Molecular Weight	106,779 Da
NCBI Official Full Name	Integrin beta-4
NCBI Official Synonym Full Names	integrin, beta 4
NCBI Official Symbol	ITGB4
NCBI Official Synonym Symbols	CD104
NCBI Protein Information	integrin beta-4; GP150; CD104 antigen; integrin beta-4 subunit
UniProt Protein Name	Integrin beta-4
UniProt Gene Name	ITGB4
UniProt Entry Name	ITB4_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.