

Rabbit ITGB1 / Integrin Beta 1 / CD29 Polyclonal Antibody | anti-ITGB1 antibody

Rabbit Polyclonal to Human ITGB1 / Integrin Beta 1 / CD29

CATALOG # AAA50683	HOST Rabbit	REACTIVITY Human, Monkey, Bovine, Dog, Horse, Pig, Sheep	APPLICATIONS Immunohistochemistry
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PRODUCT SYNONYMS

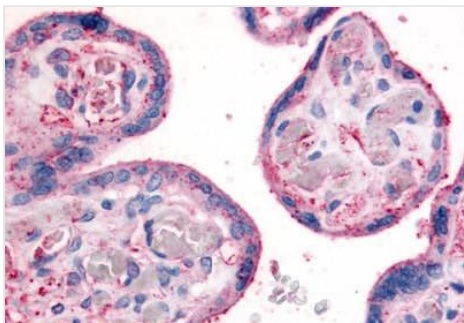
ITGB1 / Integrin Beta 1 / CD29; Polyclonal Antibody; Rabbit Polyclonal to Human ITGB1 / Integrin Beta 1 / CD29; Anti-ITGB1 / Integrin Beta 1 / CD29 Antibody (Extracellular Domain) IHC-plus; ITGB1; CD29; CD29 antigen; Integrin beta-1; MDF2; MSK12; Integrin VLA-4 beta subunit; VLA-BETA; VLAB; Beta 1 integrin; FNRB; GPIIA; Integrin Beta 1; VLA-4 subunit beta; Human ITGB1; anti-ITGB1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Monkey, Bovine, Dog, Horse, Pig, Sheep
Clonality	Polyclonal
Specificity	Human Integrin Beta 1. BLAST analysis of the peptide immunogen showed no homology with other human proteins.
Purity/Purification	Immunoaffinity Purified
Form/Format	PBS, 0.1% sodium azide.
Concentration	0.3 mg/ml (varies by lot)
Sequence Length	798
Applicable Applications for anti-ITGB1 antibody	IHC (Immunohistochemistry)
Family / Subfamily	Integrin / not assigned-Integrin
Immunogen Species	ITGB1 / Integrin Beta 1 / CD29 antibody was raised against Human
Antigen Type	Synthetic Peptide
Immunogen	ITGB1 / Integrin Beta 1 / CD29 antibody was raised against synthetic 14 amino acid peptide from extracellular domain of human Integrin Beta 1. Percent identity with other species by BLAST analysis: Human, Gorilla, Orangutan, Gibbon, Monkey, Marmoset, Sheep, Dog, Bovine, Cat, Elephant, Panda, Horse, Pig (100%); Platypus (93%); Bat, Opossum (86%).
Epitope	Extracellular Domain
Target	ITGB1 / Integrin Beta 1 / CD29
Disclaimer	Due to the highly specific nature of antibodies and antigens, we cannot predict or be held responsible with respect to how this antibody will behave in your systems. Researchers using this antibody should conduct optimization studies to achieve the most optimal result possible for their intended application.

Recommended Immunohistochemistry Protocol	The following protocol is a recommendation only, and AAA Biotech makes no guarantee of the results: Tissue Preparation: Formalin fixation and embedding in paraffin wax. Tissue Sectioning: Make 4-um sections and place on pre-cleaned and charged microscope slides. Heat in a tissue-dryingoven for 45 minutes at 60°C. Deparaffinization: Wash dry slides in 3 changes of xylene - 5 minutes each @ RT Rehydration: Wash slides in 3 changes of 100% alcohol - 3 minutes each @ RT Wash slides in 2 changes of 95% alcohol - 3 minutes each @ RT Wash slides in 1 change of 80% alcohol - 3 minutes @ RT Rinse slides in gentle running distilled water - 5 minutes @ RT Antigen retrieval: Steam slides in 0.01 M sodium citrate buffer, pH 6.0 at 99-100°C - 20 minutes Remove from heat and let stand at room temperature in buffer - 20 minutes Rinse in 1X TBS with Tween (TBST) -1 minute @ RT Immunostaining: (Do not allow tissues to dry at any time during the staining procedure) Apply a universal protein block - 20 minutes @ RT Drain protein block from slides, apply diluted primary antibody - 45 minutes @ RT Rinse slides in 1 X TBST - 1 minute @ RT Apply a biotinylated secondary antibody appropriate for the primary antibody - 30 minutes @ RT Rinse slides in 1X TBST -1 minute @ RT Apply alkaline phosphatase streptavidin - 30 minutes @ RT Rinse slides in 1X TBST -1 minute @ RT Apply alkaline phosphatase chromogen substrate - 30 minutes @ RT Wash slides in distilled water - 1 minute @ RT Dehydrate: (This method should only be used if the chromogen substrate is alcohol insoluble (e.g. Vector Red, DAB) Wash slides in 2 changes of 80% alcohol - 1 minute each @ RT Wash slides in 2 changes of 95% alcohol - 1 minute each @ RT Wash slides in 3 changes of 100% alcohol - 1 minute each @ RT Wash slides in 3 changes of xylene - 1 minute each @ RT Apply coverslip
Preparation and Storage	Aliquot and store undiluted at -20°C or below for up to 1 year. Can be stored undiluted at 4°C for up to 1 month. Avoid freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Anti-Integrin Beta 1 antibody IHC of human placenta, terminal villi. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.

ADDITIONAL INFORMATION

Product Categories/Family for anti-ITGB1 antibody	Family: Integrin
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NCBI AND UNIPROT INFORMATION

NCBI GI #	19743813
NCBI GeneID	3688
NCBI Accession #	NP_002202.2
NCBI GenBank Nucleotide #	NM_002211.3
UniProt Accession #	P05556; P78466; P78467; Q13089; Q13090; Q13091; Q13212; A8K6N2; D3DRX9; D3DRY3; D3DRY4; D3DRY5
NCBI Official Full Name	integrin beta-1 isoform 1A
NCBI Official Synonym Full Names	integrin, beta 1 (fibronectin receptor, beta polypeptide, antigen CD29 includes MDF2, MSK12)
NCBI Official Symbol	ITGB1
NCBI Official Synonym Symbols	CD29; FNRB; MDF2; VLAB; GPIIA; MSK12; VLA-BETA
NCBI Protein Information	integrin beta-1; glycoprotein IIa; integrin VLA-4 beta subunit; very late activation protein, beta polypeptide
UniProt Protein Name	Integrin beta-1
UniProt Gene Name	ITGB1
UniProt Synonym Gene Names	FNRB; MDF2; MSK12; GPIIA
UniProt Entry Name	ITB1_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/itgb1-integrin-beta-1-cd29-antibody-immunohistochemistry-elisa/50683>