

Integrin beta 8 Rabbit pAb

Catalog # AP99854

Product Information

Application	IHC-P, IHC-F, IF, E
Primary Accession	P26012
Other Accession	P26012
Host	Rabbit
Clonality	Polyclonal
Calculated MW	85632
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human Integrin beta 8
Epitope Specificity	301-400/769
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the integrin beta chain family. Contains 1 VWFA domain.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	This gene is a member of the integrin beta chain family and encodes a single-pass type I membrane protein with a VWFA domain and four cysteine-rich repeats. This protein noncovalently binds to an alpha subunit to form a heterodimeric integrin complex. In general, integrin complexes mediate cell-cell and cell-extracellular matrix interactions and this complex plays a role in human airway epithelial proliferation. Alternatively spliced variants which encode different protein isoforms have been described; however, not all variants have been fully characterized. [provided by RefSeq, Jul 2008]

Additional Information

Gene ID	3696
Other Names	4832412O06Rik; D630049N15; ITB8_HUMAN; ITGB8; ITB8_RABIT; integrin subunit beta 8; integrin, beta 8
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:500 0-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	ITGB8 (HGNC:6163)
Function	Integrin alpha-V:beta-8 (ITGAV:ITGB8) is a receptor for fibronectin (PubMed: 1918072). It recognizes the sequence R-G-D in its ligands (PubMed: 1918072). Integrin alpha-V:beta-6 (ITGAV:ITGB6) mediates R-G-D-dependent release of transforming growth factor beta-1 (TGF-beta-1) from regulatory Latency-associated peptide (LAP), thereby playing a key role in TGF-beta-1 activation on the surface of activated regulatory T-cells (Tregs) (Probable). Required during vasculogenesis (By similarity).
Cellular Location	Cell membrane; Single-pass type I membrane protein
Tissue Location	Placenta, kidney, brain, ovary, uterus and in several transformed cells. Transiently expressed in 293 human embryonic kidney cells.

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