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ITGB8 Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP21056a

Product Information

Application	WB, IHC-P, E
Primary Accession	P26012
Reactivity	Human, Rat, Mouse
Predicted	Bovine, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB51854
Calculated MW	85632

Additional Information

Gene ID	3696
Other Names	Integrin beta-8, ITGB8
Target/Specificity	This ITGB8 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 197-231 amino acids from the Central region of human ITGB8.
Dilution	WB~~1:1000 IHC-P~~1:100~500 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.05% (V/V) Proclin 300. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
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.
Precautions	ITGB8 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

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.

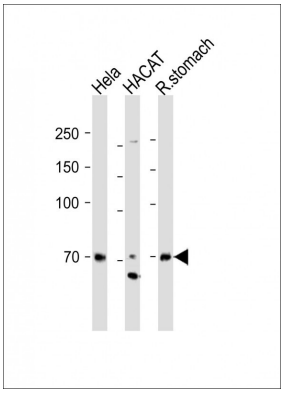
Background

Integrin alpha-V/beta-8 is a receptor for fibronectin.

References

Moyle M.,et al.J. Biol. Chem. 266:19650-19658(1991).
Scherer S.W.,et al.Science 300:767-772(2003).
Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.
Hillier L.W.,et al.Nature 424:157-164(2003).

Images



All lanes : Anti-ITGB8 Antibody (Center) at 1:1000 dilution Lane 1 : Hela whole cell lysate Lane 2 : HACAT whole cell lysate Lane 3 : Rat stomach lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (ASP1615) at 1/15000 dilution. Observed band size : 70kDa Blocking/Dilution buffer : 5% NFDM/TBST.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.