

ITGB8 Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP21056a

Product Information

Application	WB, IHC-P, E
Primary Accession	P26012
Reactivity	Human, Rat, Mouse
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 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
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.

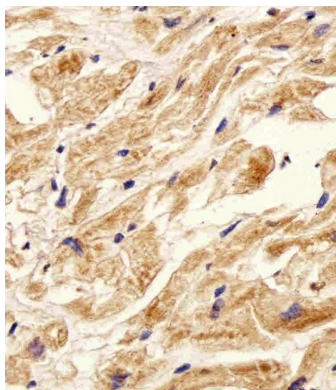
Background

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

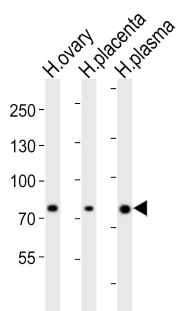
References

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



Immunohistochemical analysis of paraffin-embedded H. heart section using ITGB8 Antibody (Center)(Cat#AP21056a). AP21056a was diluted at 1:25 dilution. A undiluted biotinylated goat polyvalent antibody was used as the secondary, followed by DAB staining.



Western blot analysis of lysates from human ovary, human placenta, human plasma tissue lysate (from left to right), using ITGB8 Antibody (Center)(Cat. #AP21056a). AP21056a was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysates at 20ug per lane.

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