

**ITGB8 Antibody (Center)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP21056a**

**Specification**

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**ITGB8 Antibody (Center) - Product Information**

Application	<b>WB, IHC-P,E</b>
Primary Accession	<a href="#">P26012</a>
Other Accession	<a href="#">P26013</a> , <a href="#">Q0VBD0</a> , <a href="#">D3ZP06</a>
Reactivity	<b>Human</b>
Predicted	<b>Mouse, Rabbit</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>
Isotype	<b>Rabbit IgG</b>
Antigen Region	<b>197-231</b>

**ITGB8 Antibody (Center) - 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~~1:25

**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.

**ITGB8 Antibody (Center) - 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

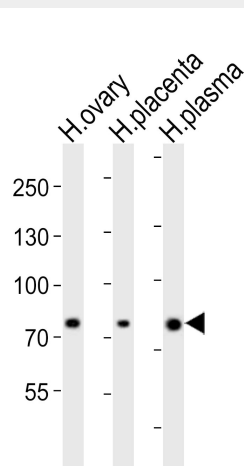
Placenta, kidney, brain, ovary, uterus and in several transformed cells. Transiently expressed in 293 human embryonic kidney cells.

### ITGB8 Antibody (Center) - Protocols

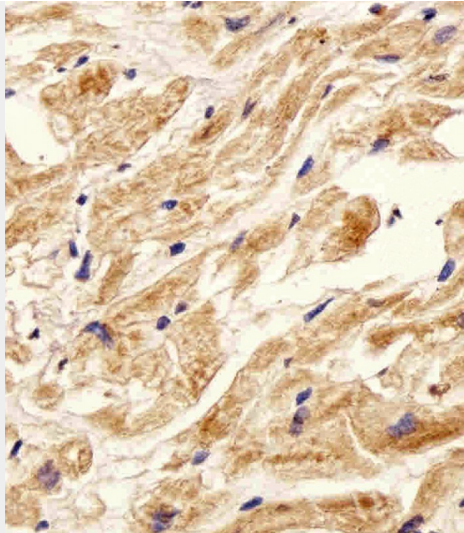
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### ITGB8 Antibody (Center) - Images



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.



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.

#### **ITGB8 Antibody (Center) - Background**

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

#### **ITGB8 Antibody (Center) - 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).