

**ITGB8 Antibody (Center)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AW5424**

**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>
Reactivity	<b>Human</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>
Calculated MW	<b>H= 86 KDa</b>
Isotype	<b>Rabbit IgG</b>
Antigen Source	<b>HUMAN</b>

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

**Gene ID** 3696

**Antigen Region**  
197-231

**Other Names**  
Integrin beta-8, ITGB8

**Dilution**  
WB~~1:1000  
IHC-P~~1:25

**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.

**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:<a href="http://www.uniprot.org/citations/1918072" target="\_blank">1918072</a>). It recognizes the sequence R-G-D in its ligands (PubMed:<a href="http://www.uniprot.org/citations/1918072" target="\_blank">1918072</a>). 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**

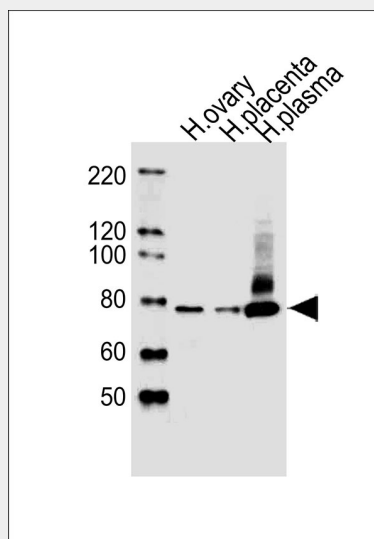
Placenta, kidney, brain, ovary, uterus and in several transformed cells. Transiently expressed in 293 human embryonic kidney cells.

**ITGB8 Antibody (Center) - Protocols**

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

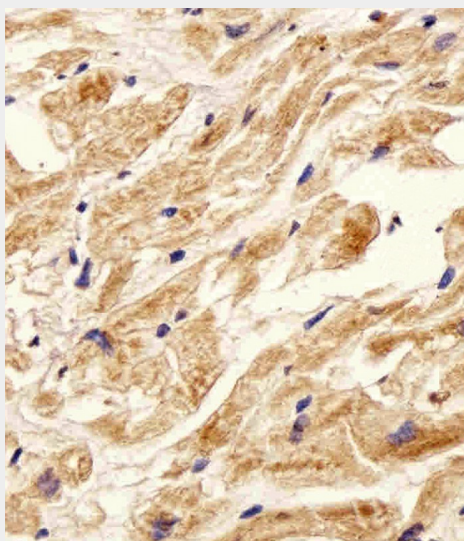
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**ITGB8 Antibody (Center) - Images**



All lanes : Anti-ITGB8 Antibody (Center) at 1:1000 dilution Lane 1: human ovary lysates Lane 2: human placenta lysates Lane 3: human plasma lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band

size : 86 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



Immunohistochemical analysis of paraffin-embedded H. heart section using ITGB8 Antibody (Center)(Cat#AW5424). AW5424 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).