

**ITGB5 Antibody (N-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP14000a****Specification**

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**ITGB5 Antibody (N-term) - Product Information**

Application	<b>WB, IHC-P,E</b>
Primary Accession	<a href="#">P18084</a>
Other Accession	<a href="#">O70309</a> , <a href="#">P80747</a> , <a href="#">NP_002204.2</a>
Reactivity	<b>Human</b>
Predicted	<b>Bovine, Mouse</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>
Isotype	<b>Rabbit IgG</b>
Calculated MW	<b>88054</b>
Antigen Region	<b>216-244</b>

**ITGB5 Antibody (N-term) - Additional Information****Gene ID** 3693**Other Names**

Integrin beta-5, ITGB5

**Target/Specificity**

This ITGB5 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 216-244 amino acids from the N-terminal region of human ITGB5.

**Dilution**

WB~~1:1000

IHC-P~~1:10~50

**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**

ITGB5 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**ITGB5 Antibody (N-term) - Protein Information****Name** ITGB5

**Function** Integrin alpha-V/beta-5 (ITGAV:ITGB5) is a receptor for fibronectin. It recognizes the sequence R-G-D in its ligand.

**Cellular Location**

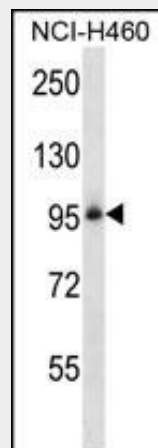
Cell membrane; Single-pass type I membrane protein

**ITGB5 Antibody (N-term) - Protocols**

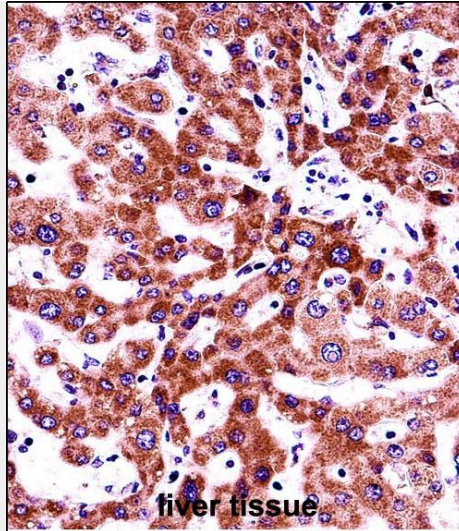
Provided below are standard protocols that you may find useful for product applications.

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

**ITGB5 Antibody (N-term) - Images**



ITGB5 Antibody (N-term) (Cat. #AP14000a) western blot analysis in NCI-H460 cell line lysates (35ug/lane). This demonstrates the ITGB5 antibody detected the ITGB5 protein (arrow).



ITGB5 Antibody (N-term) (Cat. #AP14000a) immunohistochemistry analysis in formalin fixed and paraffin embedded human liver tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of ITGB5 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.

#### **ITGB5 Antibody (N-term) - Background**

Integrin alpha-V/beta-5 is a receptor for fibronectin. It recognizes the sequence R-G-D in its ligand.

#### **ITGB5 Antibody (N-term) - References**

- Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010)  
Li, Z., et al. J. Biol. Chem. 285(31):23699-23710(2010)  
Leifheit-Nestler, M., et al. Arterioscler. Thromb. Vasc. Biol. 30(7):1398-1406(2010)  
Lane, D., et al. Oncogene 29(24):3519-3531(2010)  
Lyle, C., et al. Virol. J. 7, 148 (2010) :

#### **ITGB5 Antibody (N-term) - Citations**

- [Cisplatin suppresses the growth and proliferation of breast and cervical cancer cell lines by inhibiting integrin  \$\beta\$ 5-mediated glycolysis.](#)