

**ITGA8 Antibody (C-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP11582b**

## Specification

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### ITGA8 Antibody (C-term) - Product Information

Application	<b>WB, IHC-P,E</b>
Primary Accession	<a href="#">P53708</a>
Other Accession	<a href="#">NP_003629.1</a>
Reactivity	<b>Human</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>
Isotype	<b>Rabbit IgG</b>
Antigen Region	<b>1025-1053</b>

### ITGA8 Antibody (C-term) - Additional Information

**Gene ID** 8516

#### Other Names

Integrin alpha-8, Integrin alpha-8 heavy chain, Integrin alpha-8 light chain, ITGA8

#### Target/Specificity

This ITGA8 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1025-1053 amino acids from the C-terminal region of human ITGA8.

#### Dilution

WB~~1:2000  
IHC-P~~1:50~100

#### 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

ITGA8 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

### ITGA8 Antibody (C-term) - Protein Information

**Name** ITGA8

**Function** Integrin alpha-8/beta-1 functions in the genesis of kidney and probably of other organs by regulating the recruitment of mesenchymal cells into epithelial structures. It recognizes the

sequence R-G-D in a wide array of ligands including TNC, FN1, SPP1, TGFB1, TGFB3 and VTN. NPNT is probably its functional ligand in kidney genesis. Neuronal receptor for TNC it mediates cell-cell interactions and regulates neurite outgrowth of sensory and motor neurons.

#### Cellular Location

Membrane; Single-pass type I membrane protein. Cell membrane

#### Tissue Location

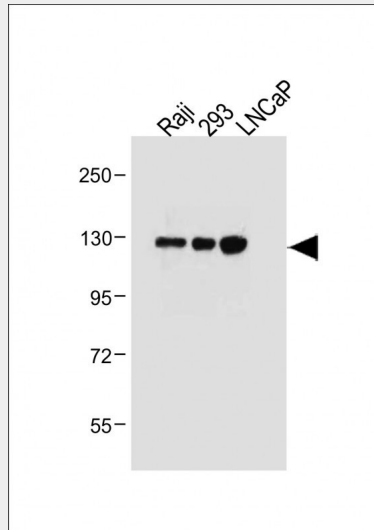
Expressed in mesenchymal cells, including alveolar myofibroblasts, kidney mesangial cells and hepatic stellate cells and vascular and visceral smooth muscle (at protein level)

### ITGA8 Antibody (C-term) - Protocols

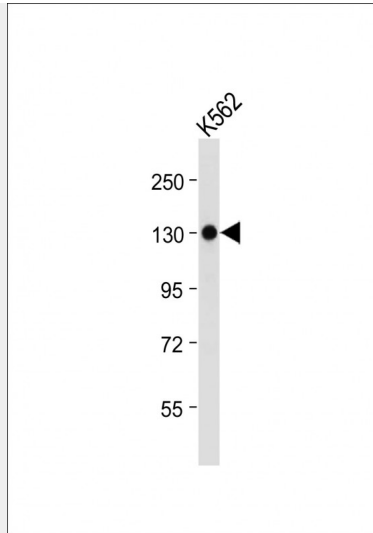
Provided below are standard protocols that you may find useful for product applications.

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

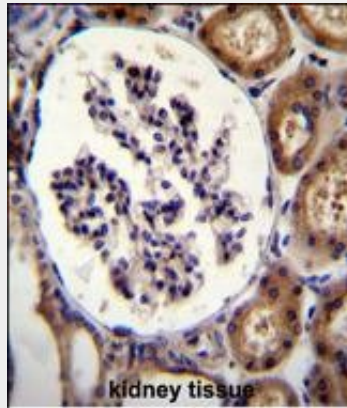
### ITGA8 Antibody (C-term) - Images



All lanes : Anti-ITGA8 Antibody (C-term) at 1:2000 dilution Lane 1: Raji whole cell lysate Lane 2: 293 whole cell lysate Lane 3: LNCaP whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 117 kDa Blocking/Dilution buffer: 5% NFDm/TBST.



Anti-ITGA8 Antibody (C-term) at 1:2000 dilution + K562 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 117 kDa Blocking/Dilution buffer: 5% NFDm/TBST.



ITGA8 Antibody (C-term) (Cat. #AP11582b) immunohistochemistry analysis in formalin fixed and paraffin embedded human kidney tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of ITGA8 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

### **ITGA8 Antibody (C-term) - Background**

Integrin alpha-8/beta-1 functions in the genesis of kidney and probably of other organs by regulating the recruitment of mesenchymal cells into epithelial structures. It recognizes the sequence R-G-D in a wide array of ligands including TNC, FN1, SPP1, TGFB1, TGFB3 and VTN. NPNT is probably its functional ligand in kidney genesis. Neuronal receptor for TNC it mediates cell-cell interactions and regulates neurite outgrowth of sensory and motor neurons.

### **ITGA8 Antibody (C-term) - References**

- Benoit, Y.D., et al. *Biochem. Biophys. Res. Commun.* 399(3):434-439(2010)
- Simon-Sanchez, J., et al. *Nat. Genet.* 41(12):1308-1312(2009)
- Benoit, Y.D., et al. *Biol. Cell* 101(12):695-708(2009)
- Sato, Y., et al. *J. Biol. Chem.* 284(21):14524-14536(2009)
- Lowe, J.K., et al. *PLoS Genet.* 5 (2), E1000365 (2009) :