

**ITGA8 Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP14177c****Specification**

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**ITGA8 Antibody (Center) Blocking Peptide - Product Information**

Primary Accession [P53708](#)

**ITGA8 Antibody (Center) Blocking Peptide - Additional Information**

**Gene ID** 8516

**Other Names**

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

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**ITGA8 Antibody (Center) Blocking Peptide - 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 stellar cells and vascular and visceral smooth muscle (at protein level)

**ITGA8 Antibody (Center) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

#### **ITGA8 Antibody (Center) Blocking Peptide - Images**

#### **ITGA8 Antibody (Center) Blocking Peptide - Background**

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#### **ITGA8 Antibody (Center) Blocking Peptide - 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) :