

**SHB Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP1408c****Specification**

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**SHB Antibody (Center) Blocking Peptide - Product Information**Primary Accession [Q15464](#)**SHB Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 6461**Other Names**

SH2 domain-containing adapter protein B, SHB

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP1408c](/product/products/AP1408c) was selected from the Center region of human SHB. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**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.

**SHB Antibody (Center) Blocking Peptide - Protein Information****Name** SHB**Function**

Adapter protein which regulates several signal transduction cascades by linking activated receptors to downstream signaling components. May play a role in angiogenesis by regulating FGFR1, VEGFR2 and PDGFR signaling. May also play a role in T-cell antigen receptor/TCR signaling, interleukin-2 signaling, apoptosis and neuronal cells differentiation by mediating basic-FGF and NGF-induced signaling cascades. May also regulate IRS1 and IRS2 signaling in insulin-producing cells.

**Cellular Location**

Cytoplasm. Cell membrane; Peripheral membrane protein; Cytoplasmic side. Note=Associates with membrane lipid rafts upon TCR stimulation

**Tissue Location**

Widely expressed..

### **SHB Antibody (Center) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

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

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

SHB is an adapter protein which regulates several signal transduction cascades by linking activated receptors to downstream signaling components. It may play a role in angiogenesis by regulating FGFR1, VEGFR2 and PDGFR signaling. It may also play a role in T-cell antigen receptor/TCR signaling, interleukin-2 signaling, apoptosis and neuronal cells differentiation by mediating basic-FGF and NGF-induced signaling cascades, and may also regulate IRS1 and IRS2 signaling in insulin-producing cells.

### **SHB Antibody (Center) Blocking Peptide - References**

Kriz,V., J. Biol. Chem. 281 (45), 34484-34491 (2006)Saldeen,J., Biochem. Biophys. Res. Commun. 344 (2), 517-524 (2006)Zhang,Y., J. Cell. Sci. 119 (PT 8), 1666-1676 (2006)