

**HUMAN-SHB(Y268) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP20620a****Specification**

---

**HUMAN-SHB(Y268) Blocking Peptide - Product Information**Primary Accession [Q15464](#)**HUMAN-SHB(Y268) Blocking Peptide - Additional Information****Gene ID** 6461**Other Names**

SH2 domain-containing adapter protein B, SHB

**Target/Specificity**

The synthetic peptide sequence is selected from aa 250-280 of HUMAN SHB

**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.

**HUMAN-SHB(Y268) 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..

## **HUMAN-SHB(Y268) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

## **HUMAN-SHB(Y268) Blocking Peptide - Images**

## **HUMAN-SHB(Y268) Blocking Peptide - Background**

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.

## **HUMAN-SHB(Y268) Blocking Peptide - References**

Welsh M.,et al.Oncogene 9:19-27(1994).  
Humphray S.J.,et al.Nature 429:369-374(2004).  
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.  
Karlsson T.,et al.Oncogene 10:1475-1483(1995).  
Karlsson T.,et al.Oncogene 13:955-961(1996).