

# HUMAN-SHB(Y268) Antibody

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP20620a

#### **Product Information**

**Application** WB, FC, IHC-P, E

Primary Accession <u>Q15464</u>

**Reactivity** Human, Mouse

Host Rabbit
Clonality Polyclonal
Isotype Rabbit IgG
Clone Names RB47168
Calculated MW 55042

### **Additional Information**

Gene ID 6461

Other Names SH2 domain-containing adapter protein B, SHB

**Target/Specificity**This antibody is generated from a rabbit immunized with a KLH conjugated

synthetic peptide between 250-290 amino acids from human.

**Dilution** WB~~1:1000 FC~~1:25 IHC-P~~1:100~500 E~~Use at an assay dependent

concentration.

**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** HUMAN-SHB(Y268) Antibody is for research use only and not for use in

diagnostic or therapeutic procedures.

#### **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..

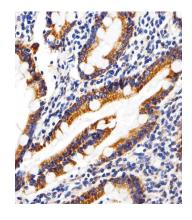
## **Background**

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.

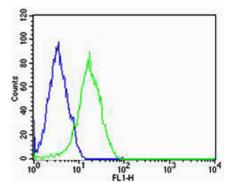
#### References

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).

## **Images**

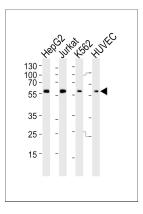


Immunohistochemical analysis of paraffin-embedded H. small intestine section using Phospho-HUMAN-SHB(Y268). ctrl(Cat#AP20620a). AP20620a was diluted at 1:25 dilution. A peroxidase-conjugated goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody, followed by DAB staining.



Flow cytometric analysis of HepG2 cells using Phospho-HUMAN-SHB(Y268). ctrl(green, Cat#AP20620a) compared to an isotype control of rabbit IgG(blue). AP20620a was diluted at 1:25 dilution. An Alexa Fluor® 488 goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody.

Western blot analysis of lysates from HepG2, Jurkat, K562, HUVEC cell line (from left to right), using SHB-Y268 Antibody(Cat. #AP20620a). AP20620a was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysates at 35ug per lane.



Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.