

Rabbit anti-Human SHB (Y268) Polyclonal Antibody | anti-SHB antibody

HUMAN-SHB (Y268) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA285942	Rabbit	Human	Immunohistochemistry, Flow Cytometry, Functional Assay, ELISA, Western Blot

PRODUCT SYNONYMS

SHB (Y268); Polyclonal Antibody; HUMAN-SHB (Y268) Antibody; SH2 domain-containing adapter protein B; SHB; anti-SHB antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 250-290 amino acids from human.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/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.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Length	509
Applicable Applications for anti-SHB antibody	IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry), ELISA, WB (Western Blot)
Crown Antibody	Yes
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)

Western blot analysis of lysates from HepG2, Jurkat, K562, HUVEC cell line (from left to right), using SHB-Y268 Antibody. AAA285942 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.



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded H. small intestine section using Phospho-HUMAN-SHB(Y268). ctrl. AAA285942 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.



FCM/FACS (Flow Cytometry)

Flow cytometric analysis of HepG2 cells using Phospho-HUMAN-SHB(Y268). ctrl(green) compared to an isotype control of rabbit IgG(blue). AAA285942 was diluted at 1:25 dilution. An Alexa Fluor 488 goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-SHB antibody	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.
Product Categories/Family for anti-SHB antibody	Crown Antibodies; Developmental Biology; Signal Transduction
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/DBJ databases. Karlsson T.,et al.Oncogene 10:1475-1483(1995). Karlsson T.,et al.Oncogene 13:955-961(1996).

NCBI AND UNIPROT INFORMATION

NCBI GI #	106879210
NCBI GeneID	6461
NCBI Accession #	NP_003019.2
NCBI GenBank Nucleotide #	NM_003028.2
UniProt Accession #	Q15464; Q504U5; Q5VUM8; B9EGM0; D3DRQ5
Molecular Weight	55042
NCBI Official Full Name	SH2 domain-containing adapter protein B
NCBI Official Synonym Full Names	Src homology 2 domain containing adaptor protein B
NCBI Official Symbol	SHB
NCBI Official Synonym Symbols	bA3J10.2
NCBI Protein Information	SH2 domain-containing adapter protein B
UniProt Protein Name	SH2 domain-containing adapter protein B
UniProt Gene Name	SHB
UniProt Entry Name	SHB_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.