Rabbit anti-Human, Mouse SHB Polyclonal Antibody | anti-SHB antibody

SHB Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA325143	**Rabbit**	**Human, Mouse**	**ELISA, Immunocytochemistry, Immunofluorescence, Western Blot**

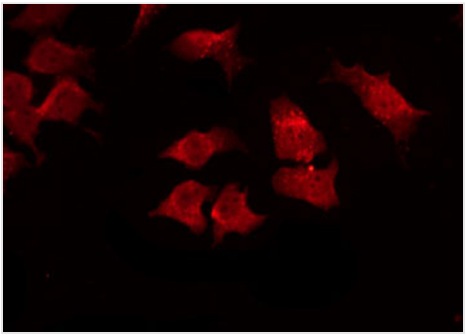
PRODUCT SYNONYMS

SHB; Polyclonal Antibody; SHB Antibody; bA3J10.2; OTTHUMP00000021397; RP11 3J10.8; RP113J10.8; SH2 domain containing adapter protein B; SH2 domain-containing adapter protein B; SHB (Src homology 2 domain containing) adaptor protein B; SHB adaptor protein (a Src homology 2 protein); SHB adaptor protein; Shb; SHB_HUMAN; Src homology 2 domain containing adaptor protein B; Src homology 2 protein; anti-SHB antibody

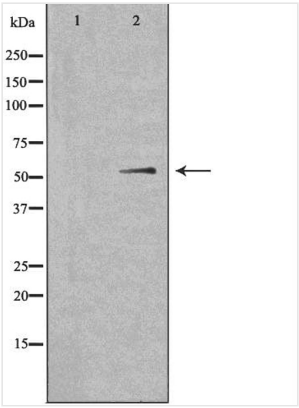
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	SHB antibody detects endogenous levels of total SHB
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	509
Applicable Applications for anti-SHB antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Cytoplasm. Cell Membrane. Associates with membrane lipid rafts upon TCR stimulation.
Tissue Specificity	Widely expressed.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)
AAA325143 staining HuvEc by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



WB (Western Blot)
Western blot analysis of extracts from HuvEc cells, using SHB antibody.The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-SHB antibody	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. Subunit Structure: Interacts with PTPN11 (By similarity). Interacts with phosphorylated 'Tyr-720' of the ligand-activated receptor PDGFRA via its SH2 domain. Interacts with the ligand-activated receptors PDGFRB, FGFR1, KDR/VEGFR2, IL2RB and IL2RG. Interacts with EPS8 and V-SRC. Interacts with GRB2 and GRAP. Interacts with CD3Z. Interacts with tyrosine-phosphorylated LAT upon T-cell antigen receptor activation. Interacts with PLCG1. Interacts with ZAP70, LCP2/SLP-76, VAV1 and GRAP2. Interacts with JAK1 and JAK3. Interacts with PTK2/FAK1. Interacts with CRK/CrKII. Interacts with IRS2. Post-translational Modifications: Phosphorylated upon PDGFRA, PDGFRB, TCR, IL2 receptor, FGFR1 or VEGFR2 activation. Similarity: The SH2 domain preferentially binds phosphopeptides with the consensus sequence Y-[TVI]-X-L and mediates interaction with PDGFRA, PDGFRB, FGRFR1, IL2RB, IL2RG, CD3Z and CRK/CrKII.

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	Observed: 55 kD Predicted: 56 kDa
NCBI Official Full Name	SH2 domain-containing adapter protein B
NCBI Official Synonym Full Names	SH2 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**

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
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