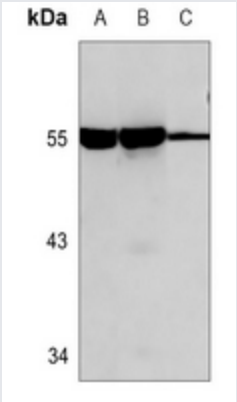
SHB Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	SHB, Polyclonal Antibody
Full Product Name	Anti-SHB Antibody
Product Gene Name	anti-SHB antibody
Product Synonym Names	SH2 domain-containing adapter protein B
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Purity/Purification	The antibody was purified by immunogen affinity chromatography.
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C for one year. Avoid freeze/thaw cycles.
Molecular Weight	55,042 Da
Chromosome Location	Chromosome: 9; NC_000009.11 (37915895..38069210, complement). Location: 9p13.2
OMIM	600314
3D Structure	ModBase 3D Structure for Q15464
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human SHB. The exact sequence is proprietary.
Product Categories/Family for anti-SHB antibody	Primary Antibody
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-SHB antibody	Western Blot (WB)
Application Notes for anti-SHB antibody	WB: 1:500-1:1000
Related Product Information for anti-SHB antibody	MBS8605499 is an antibody targeting SHB. Reactive in Human, Mouse, Rat. Host: Rabbit. Rabbit polyclonal antibody to SHB
Other Notes	Small volumes of anti-SHB antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-SHB antibody
Western blot analysis of SHB expression in U87MG (A), mouse kidney (B), rat kidney (C) whole cell lysates.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SHB. It may not necessarily be applicable to this product.

NCBI GI #	106879210
NCBI GeneID	6461
NCBI Accession #	NP_003019.2
UniProt Primary Accession #	Q15464
UniProt Secondary Accession #	Q504U5; Q5VUM8; B9EGM0; D3DRQ5
UniProt Related Accession #	Q15464
GenBank Nucleotide #	NM_003028.2
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; RP11-3J10.8
UniProt Protein Name	SH2 domain-containing adapter protein B
Protein Family	SH2 domain-containing adapter protein
UniProt Gene Name	SHB
UniProt Entry Name	SHB_HUMAN
NCBI Protein Information	SH2 domain-containing adapter protein B; SHB adaptor protein (a Src homology 2 protein); SHB (Src homology 2 domain containing) adaptor protein B

UniProt Comments for SHB	SHB: 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. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Adaptor/scaffold Chromosomal Location of Human Ortholog: 9p13.2 Cellular Component: plasma membrane; cytosol Molecular Function: protein binding; SH3/SH2 adaptor activity Biological Process: positive regulation of signal transduction; apoptosis; angiogenesis; signal transduction; cell differentiation; vascular endothelial growth factor receptor signaling pathway
Research Articles on SHB	**1.** It is concluded that SHB and angiogenic factors promote the development of cells expressing PDX-1 and insulin in EBs and that such cells can be separated by FACS.
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