Customer service: service@abbkine.com
Technical support: support@abbkine.com
Website: https://www.abbkine.com

Shb (phospho Tyr246) Polyclonal Antibody

Cat #: ABP50403 Size: 30μl /100μl /200μl

Product Information

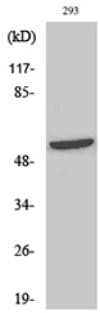
	Product Name: Shb (phospho Tyr246) Polyclonal Antibody		
	Applications: WB, ELISA		**Isotype:** Rabbit IgG
	Reactivity: Human, Mouse		
REF	**Catalog Number:** ABP50403	LOT	**Lot Number:** Refer to product label
	Formulation: Liquid		**Concentration:** 1 mg/ml
	Storage: Store at -20°C. Avoid repeated freeze / thaw cycles.		**Note:** Contain sodium azide.

Background: SHB (SH2 homology protein in B/ beta -cells) is a 55-59 kDa cytoplasmic adaptor protein that serves as a link between phosphotyrosine residues and downstream signaling pathways. SHB is ubiquitously expressed, and binds tyrosine kinase receptors such as FGFR1, VEGFR2, and the TCR (zeta -chain) following their activation. It is highly modular, and through a variety of motifs, is able to bind multiple, structurally unrelated proteins that collectively generate a signal transduction network. Human SHB is 509 amino acids (aa) in length. It contains an N-terminal Pro-rich region that binds SH3 domain-containing proteins (aa 19-45), a central PTB domain that binds select aa motifs, and a C-terminal SH2 domain that interacts with phosphotyrosines (aa 410-504). There are at least nine utilized phosphorylation sites. There are two isoform variants. One is 66-68 kDa in size, and possesses an 87 aa Pro-rich N-terminal extension. This MW may increase to 77-80 kDa following posttranslational processing. A second variant shows an 18 aa substitution for aa 280-509. Over aa 2-128, human SHB shares 91% aa identity with mouse SHB.

Application Notes: Optimal working dilutions should be determined experimentally by the investigator. Suggested starting dilutions are as follows: WB (1:500-1:2000), ELISA (1:10000). Not yet tested in other applications.

Storage Buffer: PBS containing 50% Glycerol, 0.5% BSA and 0.02% Sodium Azide.

Storage Instructions: Stable for one year at -20°C from date of shipment. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Aliquot to avoid repeated freezing and thawing.

	Fig. Western Blot analysis of various cells using Phospho-Shb (Y246) Polyclonal Antibody.

Note: The product listed herein is for research use only and is not intended for use in human or clinical diagnosis. Suggested applications of our products are not recommendations to use our products in violation of any patent or as a license. We cannot be responsible for patent infringements or other violations that may occur with the use of this product.