Shb (Phospho Tyr246) Rabbit pAb

CatalogNo: YP0245

Key Features

Host Species
- Rabbit

Reactivity
- Human,Mouse

Applications
- WB,IHC,ELISA

MW
- 55kD (Observed)

Isotype
- IgG

Storage

Storage*	-15°C to -25°C/1 year (Do not lower than -25°C)
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Recommended Dilution Ratios

WB 1:500-2000
IHC 1:50-300
ELISA :5000-1:20000

Basic Information

Clonality	Polyclonal

Immunogen Information

Immunogen	Synthesized phospho-peptide around the phosphorylation site of human Shb (phospho Tyr246)
Specificity	Phospho-Shb (Y246) Polyclonal Antibody detects endogenous levels of Shb protein only when phosphorylated at Y246.The name of modified sites may be influenced by many factors, such as species (the modified site was not originally found in human samples) and the change of protein sequence (the previous protein sequence is incomplete, and the protein sequence may be prolonged with the development of protein sequencing technology). When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports. The antibody binds to the following modification sequence (lowercase letters are modification sites):DDySD

Target Information

Gene name SHB

Protein Name SH2 domain-containing adapter protein B

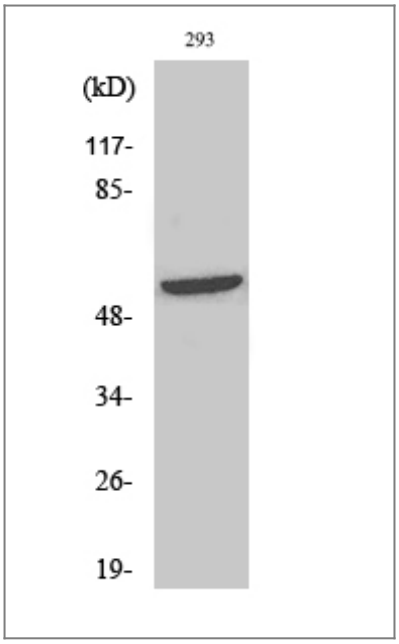
Organism	Gene ID	UniProt ID
Human	6461;	Q15464;
Mouse	230126;	Q6PD21;

Cellular Localization Cytoplasm. Cell membrane; Peripheral membrane protein; Cytoplasmic side. Associates with membrane lipid rafts upon TCR stimulation.

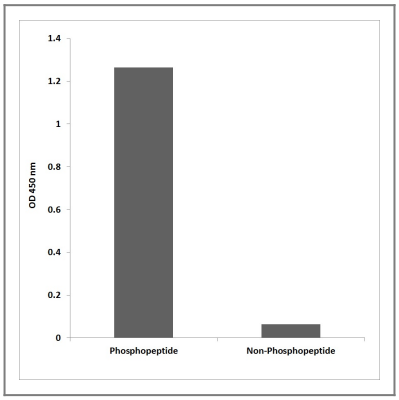
Tissue specificity Widely expressed.

Function Domain: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. ,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. ,PTM:Phosphorylated upon PDGFRA , PDGFRB , TCR , IL2 receptor , FGRF1 or VEGFR2 activation. ,similarity:Contains 1 SH2 domain. ,subcellular location:Associates with membrane lipid rafts upon TCR stimulation. ,subunit: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. ,tissue specificity:Widely expressed. ,

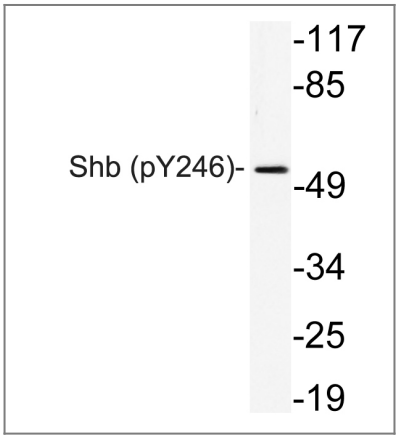
Validation Data



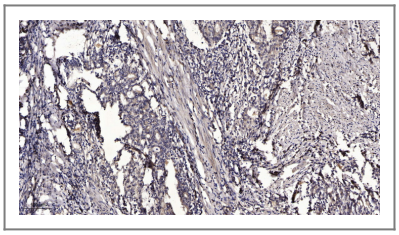
Western Blot analysis of various cells using Phospho-Shb (Y246) Polyclonal Antibody



Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using Shb (Phospho-Tyr246) Antibody



Western blot analysis of lysate from 293 cells, using phospho-Serhb (Phospho-Tyr246) antibody.



Immunohistochemical analysis of paraffin-embedded human Gastric adenocarcinoma. 1, Antibody was diluted at 1:200 (4℃ overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200 (room temperature, 45min).

Contact information

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Please scan the QR code to access additional product information:
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