

Product Name: Shb Rabbit Polyclonal Antibody
Catalog #: APRab17854



Summary

Production Name	Shb Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	WB
Reactivity	Human,Mouse

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	SHB
Alternative Names	SHB; SH2 domain-containing adapter protein B
Gene ID	6461.0
SwissProt ID	Q15464.The antiserum was produced against synthesized peptide derived from human SHB. AA range:411-460

Application

Dilution Ratio	WB 1:500-2000;ELISA 2000-20000
Molecular Weight	55kD

Background

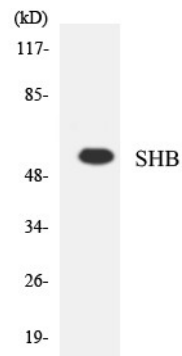
domain:The SH2 domain preferentially binds phosphopeptides with the consensus sequence Y-[TVI]-X-L and mediates

interaction with PDGFRA, PDGFRB, FGFR1, 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, FGFR1 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.,domain:The SH2 domain preferentially binds phosphopeptides with the consensus sequence Y-[TVI]-X-L and mediates interaction with PDGFRA, PDGFRB, FGFR1, 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, FGFR1 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.,

Research Area

Image Data

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Western blot analysis of the lysates from HUVECcells using SHB antibody.

Note

For research use only.