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HUMAN-SHB(Y268) Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AW5136

Product Information

Application	FC, WB
Primary Accession	Q15464
Reactivity	Human
Predicted	Mouse
Host	Rabbit
Clonality	polyclonal
Calculated MW	55042
Isotype	Rabbit IgG
Antigen Source	HUMAN

Additional Information

Gene ID	6461
Antigen Region	250-290
Other Names	SH2 domain-containing adapter protein B, SHB
Dilution	FC~~1:25 WB~~1:1000
Target/Specificity	This antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 250-290 amino acids from human.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	HUMAN-SHB(Y268) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	SHB
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.
Cellular Location	Cytoplasm. Cell membrane; Peripheral membrane protein; Cytoplasmic side. Note=Associates with membrane lipid rafts upon TCR stimulation
Tissue Location	Widely expressed..

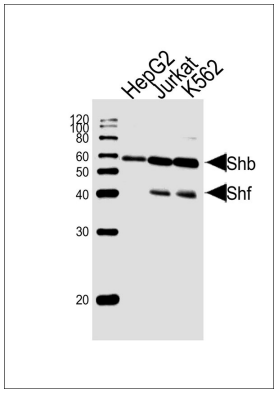
Background

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.

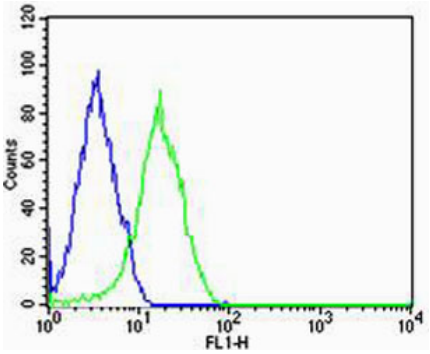
References

Welsh M.,et al.Oncogene 9:19-27(1994).
Humphray S.J.,et al.Nature 429:369-374(2004).
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.
Karlsson T.,et al.Oncogene 10:1475-1483(1995).
Karlsson T.,et al.Oncogene 13:955-961(1996).

Images



Western blot analysis of lysates from HepG2,Jurkat,K562 cell line (from left to right), using Phospho-HUMAN-SHB(Y268).ctrl(Cat. #AW5136). AW5136 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody.Lysates at 20ug per lane.



Flow cytometric analysis of HepG2 cells using Phospho-HUMAN-SHB(Y268). ctrl(green, Cat#AW5136) compared to an isotype control of rabbit IgG(blue). AW5136 was diluted at 1:25 dilution. An Alexa Fluor® 488 goat anti-rabbit lgG at 1:400 dilution was used as the secondary antibody.