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Mouse Shb Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP19244b

Product Information

Application	WB, E
Primary Accession	Q6PD21
Other Accession	Q15464, NP_001028478.1
Reactivity	Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB40292
Calculated MW	54708
Antigen Region	68-95

Additional Information

Gene ID	230126
Other Names	SH2 domain-containing adapter protein B, Shb
Target/Specificity	This Mouse Shb antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 68-95 amino acids from the C-terminal region of mouse Shb.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
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	Mouse Shb Antibody (C-term) 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 (By similarity).
Cellular Location	Cytoplasm. Cell membrane; Peripheral membrane protein; Cytoplasmic side. Note=Associates with membrane lipid rafts upon TCR stimulation.
Tissue Location	Expressed in heart, liver, brain and kidney (at protein level).

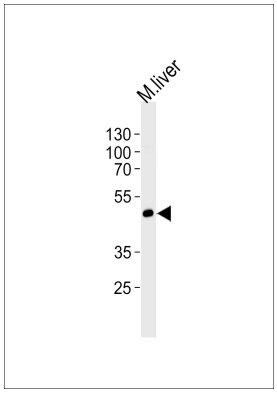
Background

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 (By similarity).

References

Calounova, G., et al. PLoS ONE 5 (6), E11155 (2010) :
Akerblom, B., et al. J. Endocrinol. 203(2):271-279(2009)
Mokhtari, D., et al. Biochem. Biophys. Res. Commun. 387(3):553-557(2009)
Funa, N.S., et al. Cancer Res. 69(5):2141-2148(2009)
Funa, N.S., et al. Differentiation 76(5):443-453(2008)

Images



Western blot analysis of lysate from mouse liver tissue lysate, using Mouse Shb Antibody (C-term)(Cat. #AP19244b). AP19244b was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysate at 35ug per lane.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.