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phospho-SHB (Tyr246) Rabbit pAb

Catalog # AP99363

Product Information

Application	IHC-P, IHC-F, IF, E
Primary Accession	Q15464
Other Accession	Q15464
Predicted	Rat, Human, Mouse, Rabbit, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	55042
Physical State	Liquid
Immunogen	KLH conjugated synthesised phosphopeptide derived from human SHB around the phosphorylation site of Tyr246
Epitope Specificity	Y(p-S)DP
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Contains 1 SH2 domain.
SUBUNIT	Interacts with PTPN11 (By similarity).
Post-translational modifications	Phosphorylated upon PDGFRA, PDGFRB, TCR, IL2 receptor, FGFR1 or VEGFR2 activation.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Additional Information

Gene ID	6461
Other Names	bA3J10.2; SHB_HUMAN; SHB; SHB_MOUSE; SH2 domain containing adaptor protein B; SHB adaptor protein (a Src homology 2 protein); SHB (Src homology 2 domain containing) adaptor protein B; Src homology 2 domain containing adaptor protein B; SHB (phospho-Y246); p-SHB; phospho-SHB; SHB (phospho-Tyr246)
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

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..

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