

Mouse Ephb6 Antibody(Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP19421c

Product Information

Application	WB, E
Primary Accession	O08644
Other Accession	P0C0K7 , O15197 , NP_001139823.1
Reactivity	Mouse
Predicted	Rat, Bovine, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB40565
Calculated MW	110107
Antigen Region	503-530

Additional Information

Gene ID	13848
Other Names	Ephrin type-B receptor 6, MEP, Tyrosine-protein kinase-defective receptor EPH-6, Ephb6, Cekl
Target/Specificity	This Mouse Ephb6 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 503-530 amino acids from the Central region of mouse Ephb6.
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 Ephb6 Antibody(Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	Ephb6
Synonyms	Cekl

Function	Kinase-defective receptor for members of the ephrin-B family. Binds to ephrin-B1 and ephrin-B2. Modulates cell adhesion and migration by exerting both positive and negative effects upon stimulation with ephrin-B2. Inhibits JNK activation, T-cell receptor-induced IL-2 secretion and CD25 expression upon stimulation with ephrin-B2. Can recruit SH2 domain-containing signaling adapters following phosphorylation by EPHB4.
Cellular Location	[Isoform 1]: Cell membrane; Single- pass type I membrane protein [Isoform 3]: Secreted.
Tissue Location	High level in thymus, and brain. Very low levels of expression in kidney, lung, liver, bone marrow, skeletal muscle, spleen from 2 week old and adult mice, heart, testes and embryonic stem cells

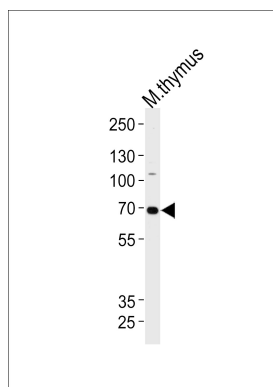
Background

Kinase-defective receptor for members of the ephrin-B family. Binds to ephrin-B1 and ephrin-B2. Modulates cell adhesion and migration by exerting both positive and negative effects upon stimulation with ephrin-B2. Inhibits JNK activation, T cell receptor-induced IL-2 secretion and CD25 expression upon stimulation with ephrin-B2 (By similarity).

References

Islam, S., et al. Dig. Dis. Sci. 55(9):2478-2488(2010)
 Lieben, L., et al. Bone 47(2):301-308(2010)
 Mordan-McCombs, S., et al. J. Steroid Biochem. Mol. Biol. 121 (1-2), 368-371 (2010) :
 Zirzow, S., et al. Dev. Biol. 336(2):145-155(2009)
 Chou, S.J., et al. Nat. Neurosci. 12(11):1381-1389(2009)

Images



Western blot analysis of lysate from mouse thymus tissue lysate, using Mouse Ephb6 Antibody (Center)(Cat. #AP19421c). AP19421c 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'.