antibodies

## Datasheet for ABIN306670 anti-EPH Receptor B1 antibody (AA 620-1596)



Overview

Image

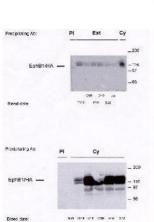
Quantity:	250 µg
Target:	EPH Receptor B1 (EPHB1)
Binding Specificity:	AA 620-1596
Reactivity:	Human
Host:	Sheep
Clonality:	Polyclonal
Conjugate:	This EPH Receptor B1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP)

## Product Details

Immunogen:	Sheep were immunized with a recombinant protein corresponding to amino acids 620-1596 of the SSeCKS protein.
lsotype:	IgG
Cross-Reactivity:	Rat
Characteristics:	Eph B1 (ELK receptor) SAM, Tyrosine-protein kinase receptor EPH-2, Ephrin type B receptor 1,
	HEK6,Activation of protein kinase C is a key signal transduction event in mesangial cell
	dedifferentiation and proliferation, yet little is known about downstream substrates or their
	roles in normal or diseased states. SSeCKS, a novel protein kinase C substrate originally
	isolated as a src-suppressed negative mitogenic regulator in fibroblasts, controls actinbased
	cytoskeletal architecture and scaffolds key signaling kinases such as protein kinase C and
	protein kinase A. Activation of protein kinase C is a key signal transduction event in mesangial

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Product Details	
	cell dedifferentiation. A role for SSeCKS, a PKA/PKC scaffolding protein, has been implicated during the process of spermiogenesis and in the actin-based stellate morphology of mesangial cells
Purification:	Ammonium Sulfate Precipitation
Target Details	
Target:	EPH Receptor B1 (EPHB1)
Alternative Name:	ELK rec tyr Kinase (Eph B1 SAM) (EPHB1 Products)
Pathways:	RTK Signaling
Application Details	
Application Notes:	Antibody can be used for Western blot (2-5 $\mu$ g/mL), immunohistochemistry and
	immunoprecipitation. Optimal concentration should be evaluated by serial dilutions.
Restrictions:	For Research Use only
Handling	
Buffer:	Provided as solution in phosphate buffered saline with 0.08 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which
	should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Product should be stored at -20°C. Aliquot to avoid freeze/thaw cycles



Precipitating Aix	PI SAM	
	Contraction (1)	_ 200
EphB1AV		- 19 - 97
		- 65
Bleed date:	1012 016 801 1205 216 1	
huEphB1/HA, driving a Cell lysates (200-300 c using Sul of anti-sers fi by 5 ut rabbit-anti-shee	cells were transfected v xpression of HA epipoe g protein) were immuno on the indicated bleed a antibody. Immunocom	lagged EphB1, precipitated cates, followed plexes were
huEphB1/HA, driving a Cell lysates (200-300 u using Sul of anti-sers fi by 5 ul rabbit-enti-shee recovered on Protein A PAGE and EphB1/HA (	xpression of HA epitope g protein) were immuno om the indicated bleed a arbibody. Immunocom /G Sepharose, separate (rotein was detected by te antibody (12CA5, Bol	lagged EphB1, precipitated cates, followed plexes were d by SDS- immunoblot

aa 566-984 aa 883-984 aa 16-351

SAM

Immunoprecipitation

**Image 1.** CHO cells were trasfected with pSR- a huEphB1/HA, driving expression of HA epitope tagged EphB1. Cell lysates (200 -300µg protein) were immunoprecipitated using 5 µl rabbit-anti-sheep antibody. Immunocomplexes were recovered on Protein A/G-Sepharose, separated by SDS- PAGE and EphB1/HA protein was detected by immunoblot using an anti-HA epitope antibody

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