Datasheet for ABIN1724713

anti-EPH Receptor B4 antibody (AA 562-612)

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Overview

Quantity:	100 µL
Target:	EPH Receptor B4 (EPHB4)
Binding Specificity:	AA 562-612
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This EPH Receptor B4 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	Purified recombinant fragment of EphB4 (aa562-612)expressed in E. coli.
Clone:	7H4A6
Isotype:	IgG1
Purification:	purified

Target Details

Target:	EPH Receptor B4 (EPHB4)
Alternative Name:	EphB4 (EPHB4 Products)
Background:	Description: EphB4: EPH receptor B4. Ephrin receptors and their ligands, the ephrins, mediate numerous developmental processes, particularly in the nervous system. Based on their

Target Details

	structures and sequence relationships, ephrins are divided into the ephrin-A (EFNA) class, which are anchored to the membrane by a glycosylphosphatidylinositol linkage, and the ephrin-B (EFNB) class, which are transmembrane proteins. The Eph family of receptors are divided into 2 groups based on the similarity of their extracellular domain sequences and their affinities for binding ephrin-A and ephrin-B ligands. Ephrin receptors make up the largest subgroup of the receptor tyrosine kinase (RTK) family. The protein encoded by this gene binds to ephrin-B2 and plays an essential role in vascular development. Aliases: HTK, MYK1, TYRO11
Molecular Weight:	108 kDa
Gene ID:	2050
HGNC:	2050
Pathways:	RTK Signaling

Application Details

Application Notes:	ELISA: 1:10000, WB: 1:500 - 1:2000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Ascitic fluid containing 0.03 % 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:	4 °C/-20 °C
Storage Comment:	4°C, -20°C for long term storage

Publications

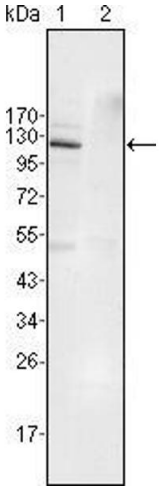
Product cited in:	Red-Horse, Kapidzic, Zhou, Feng, Singh, Fisher: "EPHB4 regulates chemokine-evoked trophoblast responses: a mechanism for incorporating the human placenta into the maternal circulation." in: **Development (Cambridge, England)**, Vol. 132, Issue 18, pp. 4097-106, (2005) (PubMed).

Publications

Xia, Kumar, Masood, Zhu, Reddy, Krasnoperov, Quinn, Henshall, Sutherland, Pinski, Daneshmand, Buscarini, Stein, Zhong, Broek, Roy-Burman, Gill: "EphB4 expression and biological significance in prostate cancer." in: **Cancer research**, Vol. 65, Issue 11, pp. 4623-32, (2005) (PubMed).

Jiménez-Vega, Yepiz-Plascencia, Söderhäll, Vargas-Albores: "A single WAP domain-containing protein from Litopenaeus vannamei hemocytes." in: **Biochemical and biophysical research communications**, Vol. 314, Issue 3, pp. 681-7, (2004) (PubMed).

Images



Western Blotting

Image 1. Western blot analysis using EphB4 mouse mAb against Jurkat (1) and HEK293 (2) cell lysate.