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Datasheet for ABIN969107 anti-EPH Receptor B4 antibody

2 Images

2 Publications



Overview

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

Product Details

Immunogen:	Purified recombinant fragment of EphB4 expressed in E. coli.
Clone:	5B8F7
lsotype:	lgG2a
Purification:	purified

Target Details

Target:	EPH Receptor B4 (EPHB4)
Alternative Name:	EphB4 (EPHB4 Products)
Background:	Description: EPH receptor B4 (EphB4), with 987-amino acid protein (about 108 kDa), belongs to the ephrin receptor subfamily of the protein-tyrosine kinase family. The Eph receptor tyrosine
	kinases and their ligands, the ephrins, regulate numerous biological processes in developing
	and adult tissues and have been implicated in cancer progression and in pathological forms of

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Target Details

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	angiogenesis. EphB4 acts as a negative regulator of blood vessel branching and vascular network formation, switching the vascularization program from sprouting angiogenesis to circumferential vessel growth. EphB4 and its ligand ephrinB2 express in several kinds of tumor cells and correlate with tumorigenesis. EphB4 is thus a potential candidate as a predictor of disease outcome in several kinds of tumor and as target for novel therapy. Aliases: HTK, MYK1, TYRO11
Gene ID:	2050
HGNC:	2050
Pathways:	RTK Signaling
Application Details	
Application Notes:	ELISA: 1:10000, WB: 1:500 - 1:2000, IHC: 1:200 - 1:1000
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:	Chrencik, Brooun, Recht, Kraus, Koolpe, Kolatkar, Bruce, Martiny-Baron, Widmer, Pasquale, Kuhn : "Structure and thermodynamic characterization of the EphB4/Ephrin-B2 antagonist peptide complex reveals the determinants for receptor specificity." in: Structure (London, England : 1993) , Vol. 14, Issue 2, pp. 321-30, (2006) (PubMed).

Wu, Suo, Risberg, Karlsson, Villman, Nesland: "Expression of Ephb2 and Ephb4 in breast carcinoma." in: **Pathology oncology research : POR**, Vol. 10, Issue 1, pp. 26-33, (2004) (PubMed

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Images



Western Blotting

Image 1. Western blot analysis using EphB4 mouse mAb against truncated EphB4 recombinant protein.



Immunohistochemistry

Image 2. Immunohistochemical analysis of paraffinembedded Human pancreas carcinoma (left) and breast carcinoma (right) tissue, showing membrane and cytoplasmic (pancreas carcinoma) localization, membrane (breast carcinoma) localization using EphB4 mouse mAb with DAB staining.

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