



[Go to Product page](#)

Datasheet for ABIN1724695

anti-EPH Receptor B2 antibody (AA 17-200)

2 Images

2 Publications

Overview

Quantity:	100 µL
Target:	EPH Receptor B2 (EPHB2)
Binding Specificity:	AA 17-200
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This EPH Receptor B2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunocytochemistry (ICC)

Product Details

Immunogen:	Purified recombinant fragment of EphB2 (aa17-200) expressed in E. coli.
Clone:	2D12C6
Isotype:	IgG2b
Purification:	purified

Target Details

Target:	EPH Receptor B2 (EPHB2)
Alternative Name:	EphB2 (EPHB2 Products)
Background:	Description: EphB2: EPH receptor B2. 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 is a receptor for ephrin-B family members.

Aliases: DRT, ERK, CAPB, Hek5

Gene ID: 2048

HGNC: 2048

Pathways: [RTK Signaling, Regulation of long-term Neuronal Synaptic Plasticity, S100 Proteins](#)

Application Details

Application Notes: ELISA: 1:10000, WB: 1:500 - 1:2000, ICC: 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

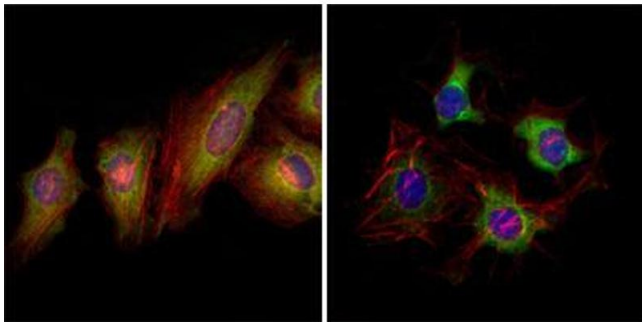
Storage Comment: 4°C, -20°C for long term storage

Publications

Product cited in: Diehl, Bruno, Wilkinson, Loose, Wilting, Schweigerer, Klein: "Altered expression patterns of EphrinB2 and EphB2 in human umbilical vessels and congenital venous malformations." in: **Pediatric research**, Vol. 57, Issue 4, pp. 537-44, (2005) ([PubMed](#)).

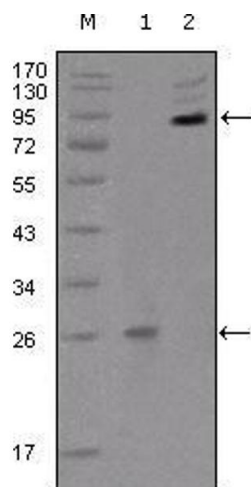
Huusko, Ponciano-Jackson, Wolf, Kiefer, Azorsa, Tuzmen, Weaver, Robbins, Moses, Allinen,

Hautaniemi, Chen, Elkahlon, Basik, Bova, Bubendorf, Lugli, Sauter, Schleutker, Ozcelik, Elowe, Pawson, Trent et al.: "Nonsense-mediated decay microarray analysis identifies mutations of EPHB2 in human prostate cancer. ..." in: **Nature genetics**, Vol. 36, Issue 9, pp. 979-83, (2004) ([PubMed](#)).



Immunofluorescence

Image 1. Immunofluorescence analysis of HeLa (left) and HepG2 (right) cells using EphB2 mouse mAb (green). Red: Actin filaments have been labeled with DY-554 phalloidin. Blue: DRAQ5 fluorescent DNA dye.



Western Blotting

Image 2. Western blot analysis using EphB2 mouse mAb against truncated EphB2 recombinant protein (1) and extracellular EphB2(aa19-476)-hlgGfc transfected CHO-K1 cell lysate(2).