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Datasheet for ABIN7138195
anti-Ephrin B2 antibody

2 Images

Overview

Quantity:	100 µL
Target:	Ephrin B2 (EFNB2)
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Ephrin B2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF)

Product Details

Immunogen:	Peptide sequence around aa.328~332 (N-I-Y-Y-K) derived from Human Ephrin B (ephrin-B2).
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Purification:	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.

Target Details

Target:	Ephrin B2 (EFNB2)
Alternative Name:	EFNB2 (EFNB2 Products)
Background:	Background: Ephrin-B2 encodes a member of the ephrin (EPH) family. The ephrins and EPH-related receptors comprise the largest subfamily of receptor protein-tyrosine kinases and have been

Target Details

implicated in mediating developmental events, especially in the nervous system and in erythropoiesis. Based on their 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. This gene encodes an EFNB class ephrin which binds to the EPHB4 and EPHA3 receptors.

Chrencik JE, et al. (2006) J Biol Chem, 281(38):28185-28192.

Kertesz N, et al. (2006) Blood, 107(6):2330-2338.

Noren NK, et al. (2004) Proc Natl Acad Sci USA, 101(15):5583-5588.

Aliases: EFN B2 antibody, EFNB 2 antibody, Efnb2 antibody, EFNB2_HUMAN antibody, Eph related receptor tyrosine kinase ligand 5 antibody, EPH-related receptor tyrosine kinase ligand 5 antibody, ephrin B2 antibody, Ephrin-B2 antibody, EphrinB2 antibody, EPLG 5 antibody, EPLG5 antibody, Htk L antibody, HTK ligand antibody, HTK-L antibody, HTKL antibody, LERK 5 antibody, LERK-5 antibody, LERK5 antibody, Ligand of eph related kinase 5 antibody, MGC126226 antibody, MGC126227 antibody, MGC126228 antibody, OTTMUSP00000024973 antibody

UniProt: [P52799](#)

Pathways: [RTK Signaling, Regulation of Muscle Cell Differentiation](#)

Application Details

Application Notes: WB:1:500-1:1000, IF:1:100-1:200,

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Supplied at 1.0 mg/mL in phosphate buffered saline (without Mg²⁺ and Ca²⁺), pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.

Preservative: Sodium azide

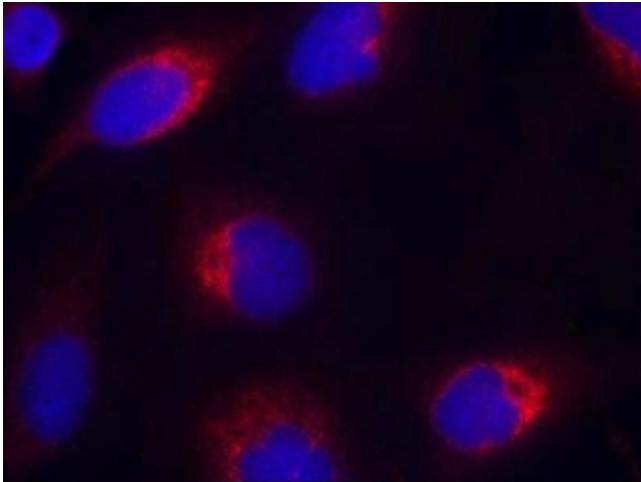
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C, -80 °C

Handling

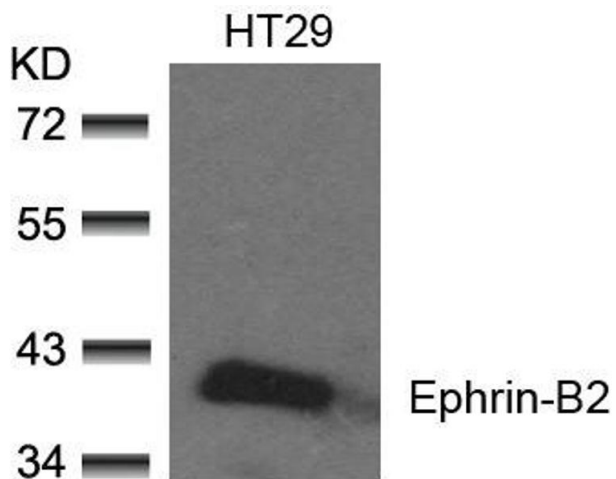
Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

Images



Immunofluorescence

Image 1. Immunofluorescence staining of methanol-fixed HeLa cells using Ephrin-B2(Ab-330) Antibody.



Western Blotting

Image 2. Western blot analysis of extracts from HT29 cells using Ephrin-B2(Ab-330) Antibody.