

## Ephrin-B2(Ab-316) Antibody

Catalog No: #21195

Package Size: #21195-1 50ul #21195-2 100ul

## Description

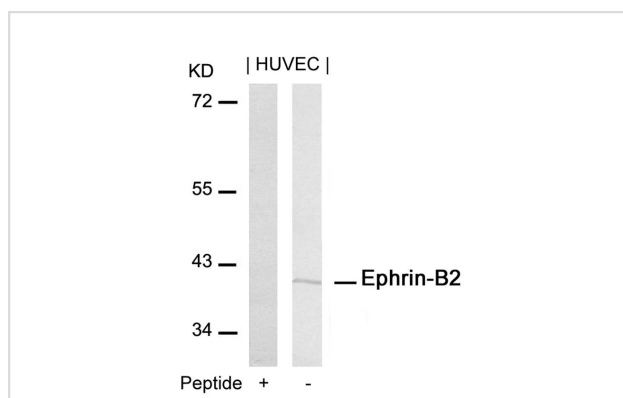
|                       |                                                                                                                                                                               |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name          | Ephrin-B2(Ab-316) Antibody                                                                                                                                                    |
| Host Species          | Rabbit                                                                                                                                                                        |
| Clonality             | Polyclonal                                                                                                                                                                    |
| Purification          | Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide. |
| Applications          | WB                                                                                                                                                                            |
| Species Reactivity    | Hu Ms Rt                                                                                                                                                                      |
| Specificity           | The antibody detects endogenous level of total Ephrin-B2 protein.                                                                                                             |
| Immunogen Type        | Peptide-KLH                                                                                                                                                                   |
| Immunogen Description | Peptide sequence around aa.314~318 (P-V-Y-I-V) derived from Human Ephrin B (ephrin-B2).                                                                                       |
| Conjugates            | Unconjugated                                                                                                                                                                  |
| Target Name           | Ephrin-B2                                                                                                                                                                     |
| Other Names           | EFNB2; HTKL; LERK5                                                                                                                                                            |
| Accession No.         | Swiss-Prot: P52799NCBI Protein: NP_004084.1                                                                                                                                   |
| Concentration         | 1.0mg/ml                                                                                                                                                                      |
| Formulation           | Supplied at 1.0mg/mL in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.                  |
| Storage               | Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.                                                                                     |

## Application Details

Predicted MW: 37kd

Western blotting: 1:500~1:1000

## Images



Western blot analysis of extracts from HUVEC cells using Ephrin-B2(Ab-316) Antibody #21195 and the same antibody preincubated with blocking peptide.

## 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 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.

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Note: This product is for in vitro research use only and is not intended for use in humans or animals.