# Ephrin-B2(Phospho-Tyr316) Antibody

Catalog No: #11188

Package Size: #11188-1 50ul #11188-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

## Description

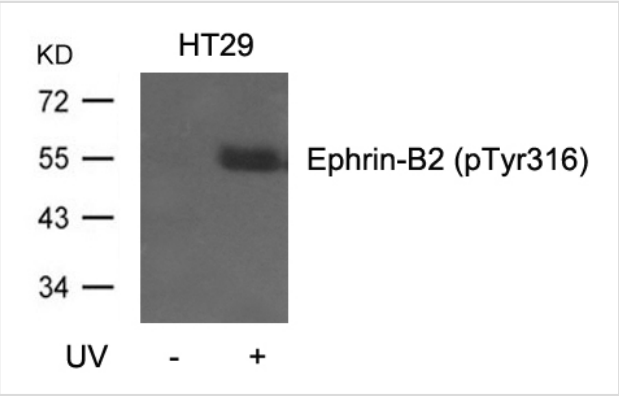
| | |
|---|---|
| Product Name | Ephrin-B2(Phospho-Tyr316) Antibody |
| Host Species | Rabbit |
| Clonality | Polyclonal |
| Purification | Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide. |
| Applications | WB |
| Species Reactivity | Hu Ms Rt |
| Specificity | The antibody detects endogenous levels of Ephrin-B2 only when phosphorylated at tyrosine 316. |
| Immunogen Type | Peptide-KLH |
| Immunogen Description | Peptide sequence around phosphorylation site of tyrosine 316 (P-V-Y(p)-I-V) derived from Human Ephrin-B2 |
| Target Name | Ephrin-B2 |
| Modification | Phospho |
| Other Names | HTKL; EPLG5; Htk-L; LERK5; |
| Accession No. | Swiss-Prot: P52799NCBI Protein: NP_004084.1 |
| Uniprot | P52799 |
| GeneID | 1948; |
| Concentration | 1.0mg/ml |
| Formulation | Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), 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 HT29 cells, untreated or treated with UV using Ephrin-B2(Phospho-Tyr316) Antibody #11188.

## Background

This gene product belongs to the 14-3-3 family of proteins which mediate signal transduction by binding to phosphoserine-containing proteins. This highly conserved protein family is found in both plants and mammals, and this protein is 99% identical to the mouse, rat and sheep orthologs. The encoded protein interacts with IRS1 protein, suggesting a role in regulating insulin sensitivity. Several transcript variants that differ in the 5' UTR but that encode the same protein have been identified for this gene.

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

Note: This product is for in vitro research use only