

## Ephrin-B2(Phospho-Tyr316) Antibody

Catalog No: #11188

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

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## Description

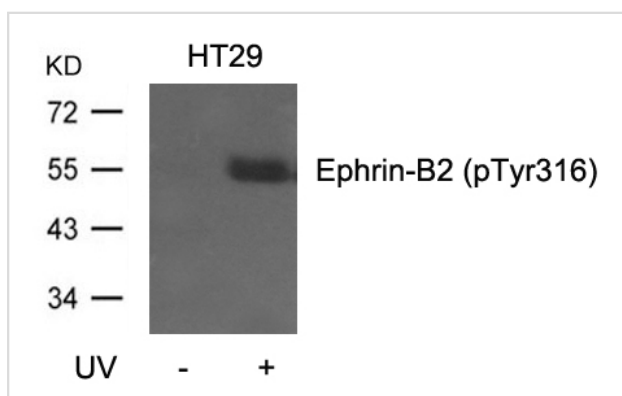
Product Name	Ephrin-B2(Phospho-Tyr316) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.
Applications	WB
Species Reactivity	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 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 HT29 cells, untreated or treated with UV using Ephrin-B2(Phospho-Tyr316) Antibody #11188.

## Background

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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

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Note: This product is for in vitro research use only