

## Product datasheet for **AP26036PU-S**

### Ephrin B2 (EFNB2) pTyr316 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	Western blot: 1:500~1:1000.
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Peptide sequence around phosphorylation site of tyrosine 316 (P-V-Y(p)-I-V) derived from Human Ephrin-B2
Specificity:	This antibody detects endogenous levels of Ephrin-B2 only when phosphorylated at tyrosine 316.
Formulation:	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 State: Aff - Purified State: Liquid Ig fraction
Concentration:	lot specific
Purification:	Affinity-chromatography using epitope-specific peptide
Conjugation:	Unconjugated
Storage:	Store (in aliquots) at -20 °C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	ephrin B2
Database Link:	<a href="#">Entrez Gene 13642 Mouse</a> <a href="#">Entrez Gene 1948 Human</a> <a href="#">P52799</a>

**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.



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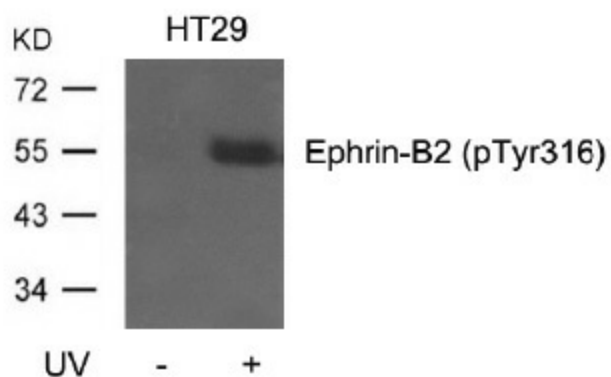
**Synonyms:** EFNB2, EPLG5, HTKL, LERK5, HTK-L, LERK-5, HTK ligand

**Note:** Molecular weight: 37 kDa

**Protein Families:** Druggable Genome, Transmembrane

**Protein Pathways:** Axon guidance

**Product images:**



Western blot analysis of extracts from HT29 cells, untreated or treated with UV using Ephrin-B2 (Phospho-Tyr316) Antibody.