

## Product datasheet for **AP20511PU-M**

### Eph receptor B6 (EPHB6) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	<b>Western blot:</b> 1/500 - 1/1000. <b>Immunohistochemistry on paraffin sections</b> 1/50 - 1/200. <b>Immuofluorescence:</b> 1/50 - 1/200.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Specificity:	This antibody detects endogenous levels of EphB6 protein. (region surrounding Asp881)
Formulation:	Phosphate buffered saline (PBS), pH 7.2. State: Aff - Purified State: Liquid purified Ig fraction Preservative: 0.05% sodium azide
Concentration:	1.0 mg/ml
Purification:	Affinity chromatography (> 95% (by SDS-PAGE)
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	~ 119 kDa
Gene Name:	EPH receptor B6
Database Link:	<u><a href="#">Entrez Gene 13848 Mouse</a></u> <u><a href="#">Entrez Gene 312275 Rat</a></u> <u><a href="#">Entrez Gene 2051 Human</a></u> <u><a href="#">O15197</a></u>



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**Background:** Ephrin receptors and their ligands, the ephrins, mediate numerous developmental processes, particularly in the nervous system. 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. The Eph family of receptors are divided into 2 groups based on the similarity of their extracellular domain sequences and their affinities for binding ephrin-A and ephrin-B ligands. Ephrin receptors make up the largest subgroup of the receptor tyrosine kinase (RTK) family. The ephrin receptor encoded by this gene lacks the kinase activity of most receptor tyrosine kinases and binds to ephrin-B ligands.

**Synonyms:** Ephrin type-B receptor 6, EPH-6, HEP

**Protein Families:** Druggable Genome, Protein Kinase, Transmembrane

**Protein Pathways:** Axon guidance

### Product images:



Western blot (WB) analysis of EphB6 antibody (Cat.-No.: [AP20511PU-N]) in extracts from COLO cells.



Immunohistochemistry (IHC) analysis of EphB6 antibody (Cat.-No.: [AP20511PU-N]) in paraffin-embedded human brain tissue.