

Product datasheet for **AM11066PU-N**

Eph receptor B4 (EPHB4) Mouse Monoclonal Antibody [Clone ID: 67CT23.5.8]

Product data:

Product Type:	Primary Antibodies
Clone Name:	67CT23.5.8
Applications:	WB
Recommended Dilution:	ELISA: 1/10000. Western blotting: 1/200-1/2000.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	EPHB4 recombinant protein.
Specificity:	This antibody is specific to EPHB4.
Formulation:	PBS containing 0.09% (W/V) Sodium Azide as preservative. State: Purified State: Liquid purified Ig fraction.
Concentration:	lot specific
Purification:	Protein G Chromatography eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS.
Conjugation:	Unconjugated
Storage:	Store the antibody 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.
Gene Name:	EPH receptor B4
Database Link:	Entrez Gene 2050 Human P54760



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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. EphB4 binds to ephrin-B2 and plays an essential role in vascular development.

Synonyms:

Ephrin type-B receptor 4, HTK, TYRO11

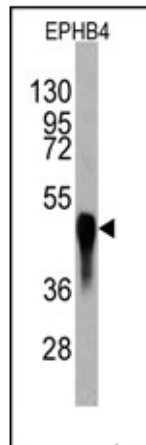
Product images:

Figure 1. Western blot analysis of anti-EPHB4 Monoclonal Antibody by EPHB4 recombinant protein (Fragment). EPHB4 protein (arrow) was detected using the purified Mab.