

Product datasheet for **AM06241SU-N**

Eph receptor B4 (EPHB4) Mouse Monoclonal Antibody [Clone ID: 7H4A6]

Product data:

Product Type:	Primary Antibodies
Clone Name:	7H4A6
Applications:	WB
Recommended Dilution:	ELISA: 1/10000. Western Blotting: 1/500 - 1/2000.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified recombinant fragment of EphB4 (aa562-612)expressed in E. Coli.
Specificity:	Recognizes EphB4 (EPH receptor B4).
Formulation:	State: Ascites State: Ascitic fluid containing 0.03% Sodium Azide.
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



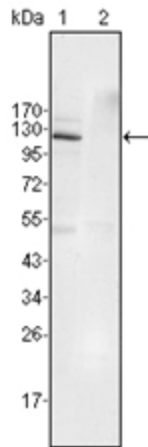
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Background:

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. The protein encoded by this gene binds to ephrin-B2 and plays an essential role in vascular development.

Synonyms:

Ephrin type-B receptor 4, HTK, TYRO11

Product images:

Western blot analysis using EphB4 mouse mAb against Jurkat (1) and HEK293 (2) cell lysate.