

**Anti-EphB4 Reference Antibody (Morphosys patent anti-EphB4)  
Recombinant Antibody  
Catalog # APR10890**

**Specification**

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**Anti-EphB4 Reference Antibody (Morphosys patent anti-EphB4) - Product Information**

Application	FC, E, FTA
Primary Accession	<a href="#">P54760</a>
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	150 KDa

**Anti-EphB4 Reference Antibody (Morphosys patent anti-EphB4) - Additional Information**

**Target/Specificity**  
EphB4

**Endotoxin**  
< 0.001EU/ µg,determined by LAL method.

**Conjugation**  
Unconjugated

**Expression system**  
CHO Cell

**Format**  
Purified monoclonal antibody supplied in PBS, pH6.0, without preservative.This antibody is purified through a protein A column.

**Anti-EphB4 Reference Antibody (Morphosys patent anti-EphB4) - Protein Information**

**Name** EPHB4

**Synonyms** HTK, MYK1, TYRO11

**Function**  
Receptor tyrosine kinase which binds promiscuously transmembrane ephrin-B family ligands residing on adjacent cells, leading to contact-dependent bidirectional signaling into neighboring cells. The signaling pathway downstream of the receptor is referred to as forward signaling while the signaling pathway downstream of the ephrin ligand is referred to as reverse signaling. Together with its cognate ligand/functional ligand EFNB2 it is involved in the regulation of cell adhesion and migration, and plays a central role in heart morphogenesis, angiogenesis and blood vessel remodeling and permeability. EPHB4-mediated forward signaling controls cellular repulsion and segregation from EFNB2-expressing cells.

**Cellular Location**

Cell membrane; Single-pass type I membrane protein

#### Tissue Location

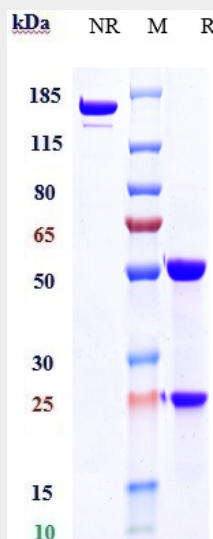
Abundantly expressed in placenta but also detected in kidney, liver, lung, pancreas, skeletal muscle and heart. Expressed in primitive and myeloid, but not lymphoid, hematopoietic cells. Also observed in cell lines derived from liver, breast, colon, lung, melanocyte and cervix.

#### Anti-EphB4 Reference Antibody (Morphosys patent anti-EphB4) - Protocols

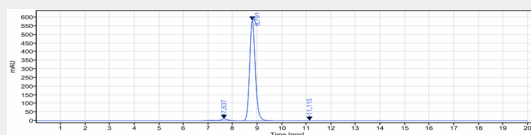
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### Anti-EphB4 Reference Antibody (Morphosys patent anti-EphB4) - Images



Anti-EphB4 Reference Antibody (Morphosys patent anti-EphB4) on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90%



The purity of Anti-EphB4 Reference Antibody (Morphosys patent anti-EphB4) is more than 95%, determined by SEC-HPLC.