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

Recombinant Antibody
Catalog # APR10890

Specification

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

Application	**FC, Kinetics, Animal Model**
Primary Accession	P54760
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

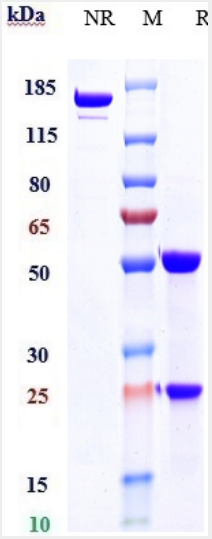
Tissue Location
Abundantly expressed in placenta but also detected in kidney, liver, lung, pancreas, skeletal muscle and heart. Expressed in primitive and myeloid, but not lymphoid, hematopoietic cells. Also observed in cell lines derived from liver, breast, colon, lung, melanocyte and cervix.

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

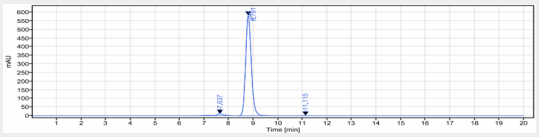
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- 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.