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Mouse Epha1 Antibody (N-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP20929b

Specification

Mouse Epha1 Antibody (N-term) - Product Information

Application	**WB,E**
Primary Accession	Q60750
Reactivity	**Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**108578**

Mouse Epha1 Antibody (N-term) - Additional Information

Gene ID 13835

Other Names
Ephrin type-A receptor 1, mEpha1, Embryonic stem cell kinase, Tyrosine-protein kinase receptor ESK, Epha1, Esk

Target/Specificity
This Mouse Epha1 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 70-105 amino acids from the N-terminal region of Mouse Epha1.

Dilution
WB~~1:1000

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
Mouse Epha1 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Mouse Epha1 Antibody (N-term) - Protein Information

Name Epha1

Synonyms Esk

Function Receptor tyrosine kinase which binds promiscuously membrane- bound ephrin-A 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. Binds with a low affinity EFNA3 and EFNA4 and with a high affinity to EFNA1 which most probably constitutes its cognate/functional ligand. Upon activation by EFNA1 induces cell attachment to the extracellular matrix inhibiting cell spreading and motility through regulation of ILK and downstream RHOA and RAC. Also plays a role in angiogenesis and regulates cell proliferation. May play a role in apoptosis.

Cellular Location
Cell membrane; Single-pass type I membrane protein

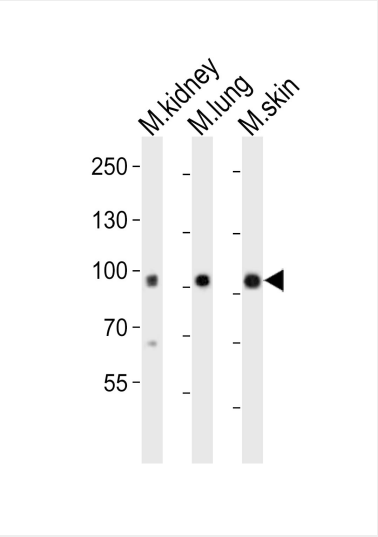
Tissue Location
Preferentially expressed in epithelial cells including skin, kidney, liver and thymus (PubMed:11519828, PubMed:18802966). Expressed in myogenic progenitor cells (PubMed:27446912).

Mouse Epha1 Antibody (N-term) - 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

Mouse Epha1 Antibody (N-term) - Images



Western blot analysis of lysates from mouse kidney, mouse lung, mouse skin tissue (from left to right), using Epha1 Antibody (N-term)(Cat. #AP20929b). AP20929b was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysates at 20ug per lane.

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Mouse Epha1 Antibody (N-term) - Background

Receptor tyrosine kinase which binds promiscuously membrane-bound ephrin-A 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. Binds with a low affinity EFNA3 and EFNA4 and with a high affinity to EFNA1 which most probably constitutes its cognate/functional ligand. Upon activation by EFNA1 induces cell attachment to the extracellular matrix inhibiting cell spreading and motility through regulation of ILK and downstream RHOA and RAC. Plays also a role in angiogenesis and regulates cell proliferation. May play a role in apoptosis.

Mouse Epha1 Antibody (N-term) - References

Coulthard M.G.,et al.Growth Factors 18:303-317(2001).
Carninci P.,et al.Science 309:1559-1563(2005).
Lickliter J.D.,et al.Proc. Natl. Acad. Sci. U.S.A. 93:145-150(1996).
Duffy S.L.,et al.Genesis 46:553-561(2008).