

Datasheet for ABIN6242302
anti-EPHA1 antibody (AA 453-487)



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1 Image

Overview

| | |
|----------------------|--------------------------------------|
| Quantity: | 400 µL |
| Target: | EPHA1 |
| Binding Specificity: | AA 453-487 |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This EPHA1 antibody is un-conjugated |
| Application: | Western Blotting (WB) |

Product Details

| | |
|---------------|--|
| Immunogen: | This mouse Epha1 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 453-487 amino acids from the Central region of mouse Epha1. |
| Clone: | RB51137 |
| Isotype: | Ig Fraction |
| Purification: | This antibody is purified through a protein A column, followed by peptide affinity purification. |

Target Details

| | |
|-------------------|---|
| Target: | EPHA1 |
| Alternative Name: | Epha1 (EPHA1 Products) |
| Background: | Receptor tyrosine kinase which binds promiscuously membrane-bound ephrin-A family ligands |

Target Details

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.

Molecular Weight: 108578

UniProt: [Q60750](#)

Application Details

Application Notes: WB: 1:2000

Restrictions: For Research Use only

Handling

Format: Liquid

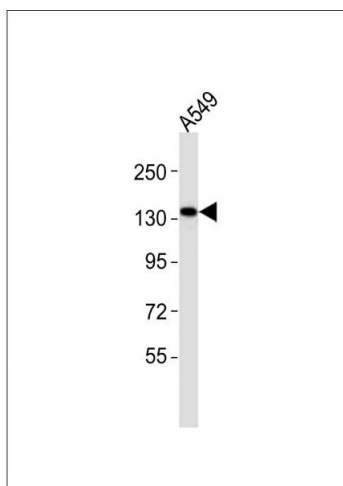
Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C,-20 °C

Expiry Date: 6 months



Western Blotting

Image 1. Anti-(Mouse) EphA1 Antibody (Center) at 1:2000 dilution + A549 whole cell lysates Lysates/proteins at 20 μ g per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 109 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.