

Datasheet for ABIN3030828
anti-EPHA1 antibody (AA 453-487)



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2 Images

Overview

Quantity:	0.4 mL
Target:	EPHA1
Binding Specificity:	AA 453-487
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This EPHA1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	This mouse Epha1 antibody was produced from a rabbit immunized with a KLH conjugated synthetic peptide between 453-487 amino acids from the Central region of mouse Epha1.
Isotype:	Ig Fraction
Purification:	Antigen affinity purified

Target Details

Target:	EPHA1
Alternative Name:	Epha1 (EPHA1 Products)
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

Target Details

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.

UniProt: [Q60750](#)

Application Details

Application Notes: Titration of the Epha1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 1:2000

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: In 1X PBS, pH 7.4, with 0.09 % 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: -20 °C

Storage Comment: Aliquot the Epha1 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.



Western Blotting

Image 1. Western blot testing of Epha1 antibody at 1:2000 dilution + A549 lysate



Western Blotting

Image 2. Western blot testing of Epha1 antibody at 1:2000 dilution + A549 lysate