

Datasheet for ABIN967994

anti-EPH Receptor A4 antibody (AA 279-472)

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Overview

Quantity:	50 µg
Target:	EPH Receptor A4 (EPHA4)
Binding Specificity:	AA 279-472
Reactivity:	Human, Mouse, Rat, Dog, Chicken
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This EPH Receptor A4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunoprecipitation (IP)

Product Details

Immunogen:	Mouse Sek aa. 279-472
Clone:	35-EphA4
Isotype:	IgG1
Cross-Reactivity:	Rat (Rattus), Human, Dog (Canine), Chicken
Characteristics:	<ol style="list-style-type: none">1. Since applications vary, each investigator should titrate the reagent to obtain optimal results.2. Please refer to us for technical protocols.3. Caution: Sodium azide yields highly toxic hydrazoic acid under acidic conditions. Dilute azide compounds in running water before discarding to avoid accumulation of potentially explosive deposits in plumbing.4. Source of all serum proteins is from USDA inspected abattoirs located in the United States.

Product Details

Purification:	The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.
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Target Details

Target:	EPH Receptor A4 (EPHA4)
Alternative Name:	EphA4 (EPHA4 Products)
Background:	EphA4/Sek is a glycosylated protein tyrosine kinase of 986 amino acids and an apparent 110-130kDa molecular weight (molecular weight depends on glycosylation level of protein). EphA4 belongs to the Eph subfamily of receptor tyrosine kinases and like many others, it has an amino-terminal ligand-binding domain exposed to the extracellular matrix. EphA4 is predominantly expressed during development (this is common in the Eph family) and because of its mRNA localization, it has been proposed that it may play a role during segmentation of the hindbrain and mesoderm. Tyrosine 602 is a major autophosphorylation site of EphA4 and appears to be the docking site for the intracellular tyrosine kinase fyn.
Molecular Weight:	110-130 kDa
Pathways:	RTK Signaling

Application Details

Comment:	Related Products: ABIN967389, ABIN968545
Restrictions:	For Research Use only

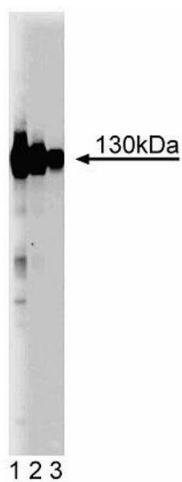
Handling

Format:	Liquid
Concentration:	250 µg/mL
Buffer:	Aqueous buffered solution containing BSA, glycerol, and ≤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:	Store undiluted at -20°C.

Publications

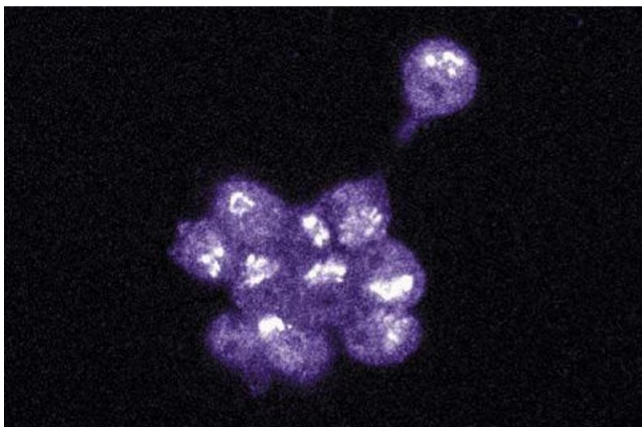
- Product cited in: Ellis, Kasmi, Ganju, Walls, Panayotou, Reith: "A juxtamembrane autophosphorylation site in the Eph family receptor tyrosine kinase, Sek, mediates high affinity interaction with p59fyn." in: **Oncogene**, Vol. 12, Issue 8, pp. 1727-36, (1996) ([PubMed](#)).
- Becker, Gilardi-Hebenstreit, Seitanidou, Wilkinson, Charnay: "Characterisation of the Sek-1 receptor tyrosine kinase." in: **FEBS letters**, Vol. 368, Issue 2, pp. 353-7, (1995) ([PubMed](#)).
- Gilardi-Hebenstreit, Nieto, Frain, Mattéi, Chestier, Wilkinson, Charnay: "An Eph-related receptor protein tyrosine kinase gene segmentally expressed in the developing mouse hindbrain." in: **Oncogene**, Vol. 7, Issue 12, pp. 2499-506, (1993) ([PubMed](#)).

Images



Western Blotting

Image 1. Western blot analysis of EphA4 on rat brain lysate. Lane 1: 1:1000, lane 2: 1:2000, lane 3: 1:4000 dilution of EphA4.



Immunofluorescence

Image 2. Immunofluorescence staining of PC12 cells

Image 3.

