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Datasheet for ABIN3042374

anti-EPH Receptor A5 antibody (C-Term)

2 Images

Overview

Quantity:	100 µg
Target:	EPH Receptor A5 (EPHA5)
Binding Specificity:	AA 1001-1032, C-Term
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This EPH Receptor A5 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	Rabbit IgG polyclonal antibody for Ephrin type-A receptor 5(EPHA5) detection. Tested with WB in Human,Mouse,Rat.
Immunogen:	A synthetic peptide corresponding to a sequence at the C-terminus of human Eph receptor A5 (1001-1032aa TLEDLRRRLGVTLVGHQKKIMNSLQEMKVQ LVN), different from the related mouse sequence by two amino acids.
Sequence:	TLEDLRRRLGV TLVGHQKKIM NSLQEMKVQ
Isotype:	IgG
Cross-Reactivity (Details):	Predicted Cross Reactivity: human No cross reactivity with other proteins. Predicted Cross Reactivity: Species predicted to be fit for the product based on sequence similarities.

Product Details

Characteristics:	Rabbit IgG polyclonal antibody for Ephrin type-A receptor 5(EPHA5) detection. Tested with WB in Human,Mouse,Rat. Gene Name: EPH receptor A5 Protein Name: Ephrin type-A receptor 5
Purification:	Immunogen affinity purified.

Target Details

Target:	EPH Receptor A5 (EPHA5)
Alternative Name:	EPHA5 (EPHA5 Products)
Background:	<p>EPH receptor A5 (ephrin type-A receptor 5) is a protein that in humans is encoded by the EPHA5 gene. This gene belongs to the ephrin receptor subfamily of the protein-tyrosine kinase family. EPH and EPH-related receptors have been implicated in mediating developmental events, particularly in the nervous system. Receptors in the EPH subfamily typically have a single kinase domain and an extracellular region containing a Cys-rich domain and 2 fibronectin type III repeats. The ephrin receptors are divided into 2 groups based on the similarity of their extracellular domain sequences and their affinities for binding ephrin-A and ephrin-B ligands. Alternatively spliced transcript variants encoding different isoforms have been described.</p> <p>Synonyms: Brain-specific kinase antibody bsk antibody CEK 7 antibody Eck like sequence 1 antibody EHK 1 antibody EHK-1 antibody EK7 antibody Els 1 antibody Eph homology kinase 1 antibody EPH-like kinase 7 antibody EphA5 antibody EPHA5_HUMAN antibody Ephrin type A receptor 5 antibody Ephrin type-A receptor 5 antibody HEK 7 antibody hEK7 antibody Receptor protein tyrosine kinase HEK 7 antibody Rek 7 antibody TYRO 4 antibody TYRO 4 antibody Tyrosine protein kinase receptor EHK 1 antibody</p>
Gene ID:	2044
UniProt:	P54756
Pathways:	RTK Signaling

Application Details

Application Notes:	WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Mouse, Rat, Predicted Species: Human Notes: Tested Species: Species with positive results. Predicted Species: Species predicted to be fit for the product based on sequence similarities. Other applications have not been tested. Optimal dilutions should be determined by end users.
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Application Details

Comment: Antibody can be supported by chemiluminescence kit ABIN921124 in WB.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.

Concentration: 500 µg/mL

Buffer: Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na₂HPO₄, 0.05 mg 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.

Handling Advice: Avoid repeated freezing and thawing.

Storage: 4 °C/-20 °C

Storage Comment: At -20°C for one year. After reconstitution, at 4°C for one month.
It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

Images



Western Blotting

Image 1. Observed bind size: 114KD



Western Blotting

Image 2. Anti- Eph receptor A5 Picoband antibody, Western blotting All lanes: Anti Eph receptor A5 at 0.5ug/ml Lane 1: Rat Brain Tissue Lysate at 50ug Lane 2: Mouse Brain Tissue Lysate at 50ug Predicted bind size: 114KD Observed bind size: 114KD