

Datasheet for ABIN2787691

**anti-EPH Receptor A5 antibody (Middle Region)**[Go to Product page](#)**1** Image**1** Publication

## Overview

Quantity:	100 µL
Target:	EPH Receptor A5 (EPHA5)
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Cow, Guinea Pig, Dog, Horse, Rabbit, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This EPH Receptor A5 antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human EPHA5
Sequence:	SDMGYVHRDL AARNILINSN LVCKVSDFGL SRVLEDDPEA AYTTRGGKIP
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Zebrafish: 100%
Characteristics:	This is a rabbit polyclonal antibody against EPHA5. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

## Target Details

Target:	EPH Receptor A5 (EPHA5)
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## Target Details

Alternative Name:	EPHA5 ( <a href="#">EPHA5 Products</a> )
Background:	<p>EPHA5 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. Two transcript variants encoding different isoforms have been found for this 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.</p> <p>Alias Symbols: CEK7, EHK1, HEK7, TYRO4</p> <p>Protein Interaction Partner: NEDD4, UBC, EFNA2, EFNA5, EFNA3, EFNA4, EFNA1, STAT3,</p> <p>Protein Size: 1037</p>
Molecular Weight:	114 kDa
Gene ID:	2044
NCBI Accession:	<a href="#">NM_004439</a> , <a href="#">NP_004430</a>
UniProt:	<a href="#">P54756</a>
Pathways:	<a href="#">RTK Signaling</a>

## Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 1037 AA
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	Lot specific

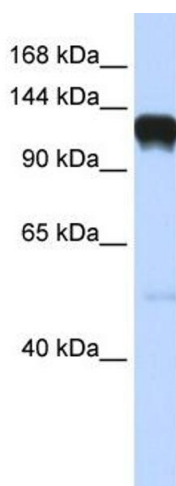
## Handling

Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
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 freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

## Publications

Product cited in:	Pick, Golan, Zimblar, Guo, Sharaby, Tsuge, Hofmann, Wei: "The minimal deneddylase core of the COP9 signalosome excludes the Csn6 MPN- domain." in: <b>PLoS ONE</b> , Vol. 7, Issue 8, pp. e43980, (2012) ( <a href="#">PubMed</a> ).
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## Validation report #100106 for Western Blotting (WB)



### Western Blotting

#### Image 1. WB Suggested Anti-EPHA5 Antibody Titration:

0.2-1 ug/ml

**ELISA Titer:** 1:1562500

**Positive Control:** Human brain