

Datasheet for ABIN391889

**anti-EPH Receptor A4 antibody (N-Term)**

5 Images

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## Overview

Quantity:	400 µL
Target:	EPH Receptor A4 (EPHA4)
Binding Specificity:	AA 40-70, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (IF), Flow Cytometry (FACS)

## Product Details

Immunogen:	This EphA4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 40-70 amino acids from the N-terminal region of human EphA4.
Clone:	RB1587
Isotype:	Ig Fraction
Predicted Reactivity:	X, C, M
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

## Target Details

Target:	EPH Receptor A4 (EPHA4)
Alternative Name:	EphA4 ( <a href="#">EPHA4 Products</a> )

## Target Details

Background:	Protein kinases are enzymes that transfer a phosphate group from a phosphate donor, generally the $\gamma$ phosphate of ATP, onto an acceptor amino acid in a substrate protein. By this basic mechanism, protein kinases mediate most of the signal transduction in eukaryotic cells, regulating cellular metabolism, transcription, cell cycle progression, cytoskeletal rearrangement and cell movement, apoptosis, and differentiation. With more than 500 gene products, the protein kinase family is one of the largest families of proteins in eukaryotes. The family has been classified in 8 major groups based on sequence comparison of their tyrosine (PTK) or serine/threonine (STK) kinase catalytic domains. The tyrosine kinase (TK) group is mainly involved in the regulation of cell-cell interactions such as differentiation, adhesion, motility and death. There are currently about 90 TK genes sequenced, 58 are of receptor protein TK (e.g. EGFR, EPH, FGFR, PDGFR, TRK, and VEGFR families), and 32 of cytosolic TK (e.g. ABL, FAK, JAK, and SRC families).
Molecular Weight:	109860
Gene ID:	2043
NCBI Accession:	<a href="#">NP_004429</a>
UniProt:	<a href="#">P54764</a>
Pathways:	<a href="#">RTK Signaling</a>

## Application Details

Application Notes:	IF: 1:100. WB: 1:2000. WB: 1:1000. IHC-P: 1:50~100. FC: 1:10~50
Restrictions:	For Research Use only

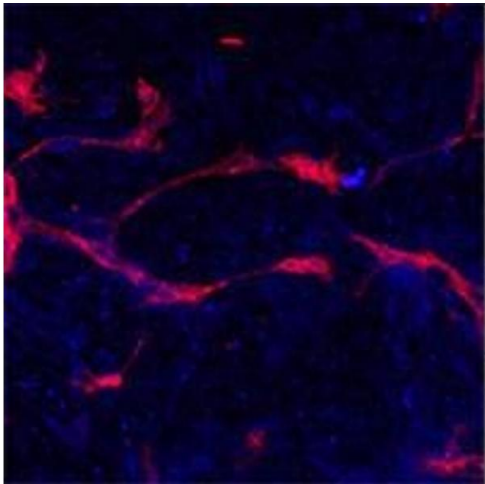
## Handling

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.
Handling Advice:	Avoid freeze-thaw cycles.
Storage:	4 °C, -20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small

aliquots.

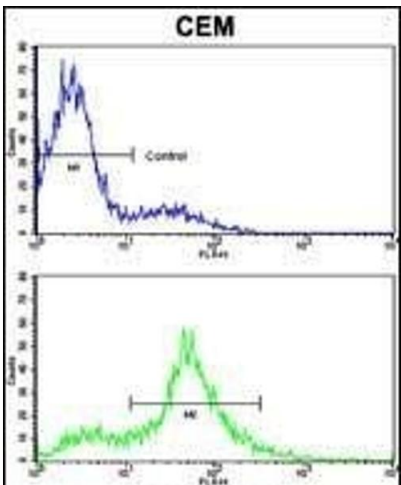
Expiry Date: 6 months

Images



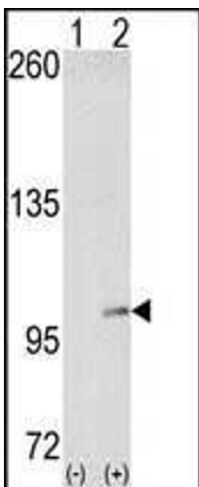
Immunofluorescence

**Image 1.** Methanol/Acetone fixed human stem cell is used in IF to detect Eph4A (blue) and endothelial Lectin(red). Data kindly provided by Dr. Weis from Cheresch Lab, UCSD.



Flow Cytometry

**Image 2.** Flow cytometric analysis of CEM cells using EphA4 Antibody (N-term) (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



Western Blotting

**Image 3.** Western blot analysis of EphA4 (arrow) using EphA4 Antibody (N-term) (ABIN391889 and ABIN2841709). 293 cell lysates (2 µg/lane) either nontransfected (Lane 1) or transiently transfected with the EphA4 gene (Lane 2) (Origene Technologies).

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN391889.