

Datasheet for ABIN391888

anti-EPH Receptor A3 antibody (C-Term)**3** Images**1** Publication[Go to Product page](#)

Overview

Quantity:	400 µL
Target:	EPH Receptor A3 (EPHA3)
Binding Specificity:	AA 896-928, C-Term
Reactivity:	Human, Hamster
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This EPH Receptor A3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This EphA3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 896-928 amino acids from the C-terminal region of human EphA3.
Clone:	RB1585
Isotype:	Ig Fraction
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Target Details

Target:	EPH Receptor A3 (EPHA3)
Alternative Name:	EphA3 (EPHA3 Products)

Target Details

Background:	Protein kinases are enzymes that transfer a phosphate group from a phosphate donor, generally the γ 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:	110131
Gene ID:	2042
NCBI Accession:	NP_005224 , NP_872585
UniProt:	P29320
Pathways:	RTK Signaling , Regulation of Cell Size

Application Details

Application Notes:	WB: 1:1000. WB: 1:1000. IHC-P: 1:50~100
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.
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 to prevent freeze-thaw cycles.

Handling

Expiry Date: 6 months

Publications

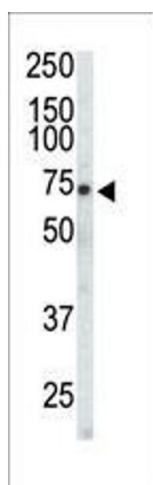
Product cited in: Ewing, Chu, Elisma, Li, Taylor, Climie, McBroom-Cerajewski, Robinson, OConnor, Li, Taylor, Dharsee, Ho, Heilbut, Moore, Zhang, Ornatsky, Bukhman, Ethier, Sheng, Vasilescu, Abu-Farha, Lambert, Duewel et al.: "Large-scale mapping of human protein-protein interactions by mass spectrometry. ..." in: **Molecular systems biology**, Vol. 3, pp. 89, (2007) ([PubMed](#)).

Images



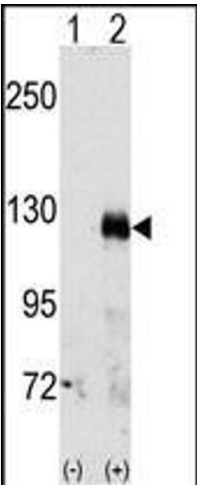
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Formalin-fixed and paraffin-embedded human placenta tissue reacted with EphA3 antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated.



Western Blotting

Image 2. Western blot analysis of anti-EphA3 Pab (ABIN391888 and ABIN2841708) in CHO cell lysate. EphA3 (arrow) was detected using purified Pab. Secondary HRP-anti-rabbit was used for signal visualization with chemiluminescence.



Western Blotting

Image 3. Western blot analysis of EphA3 (arrow) using rabbit polyclonal EphA3 Antibody (C-term) (ABIN391888 and ABIN2841708). 293 cell lysates (2 µg/lane) either nontransfected (Lane 1) or transiently transfected with the EphA3 gene (Lane 2) (Origene Technologies).