

Datasheet for ABIN391899

anti-EPH Receptor A7 antibody (C-Term)

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Overview

Quantity:	400 µL
Target:	EPH Receptor A7 (EPA7)
Binding Specificity:	AA 896-925, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This EPH Receptor A7 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This EphA7 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 896-925 amino acids from the C-terminal region of human EphA7.
Clone:	RB1641-RB1642
Isotype:	Ig Fraction
Predicted Reactivity:	C
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Target Details

Target:	EPH Receptor A7 (EPA7)
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Target Details

Alternative Name:	EphA7 (EPHA7 Products)
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:	112097
Gene ID:	2045
NCBI Accession:	NP_004431
UniProt:	Q15375
Pathways:	RTK Signaling

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

Handling

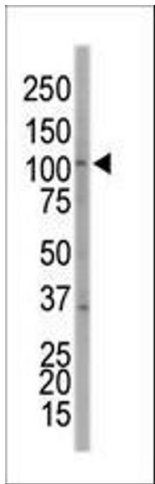
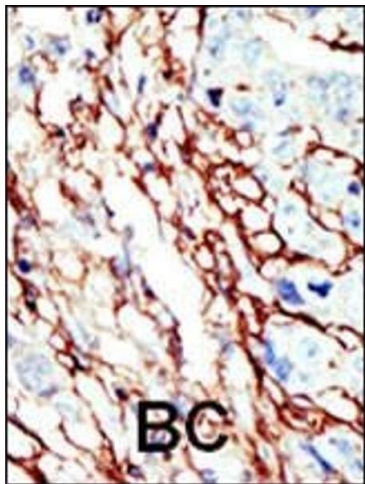
aliquots to prevent freeze-thaw cycles.

Expiry Date: 6 months

Publications

Product cited in: Chen, Hou, Fan, Jin, Wang: "Sonic hedgehog protein regulates fibroblast growth factor 8 expression in metanephric explant culture from BALB/c mice: Possible mechanisms associated with renal morphogenesis." in: **Molecular medicine reports**, Vol. 14, Issue 4, pp. 2929-36, (2017) ([PubMed](#)).

Images

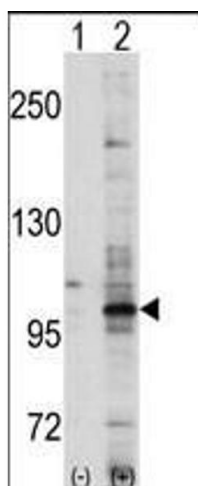


Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated. BC = breast carcinoma, HC = hepatocarcinoma.

Western Blotting

Image 2. Western blot analysis of anti-EphA7 Pab (ABIN391899 and ABIN2841717) in NCI- cell lysate. EphA7 (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 EPHA7 (arrow) using EphA7 Antibody (C-term) (ABIN391899 and ABIN2841717). 293 cell lysates (2 µg/lane) either nontransfected (Lane 1) or transiently transfected with the EPHA7 gene (Lane 2) (Origene Technologies).