

Datasheet for ABIN1539156

anti-EPH Receptor A7 antibody (N-Term)[Go to Product page](#)**2** Images**1** Publication

Overview

Quantity:	400 µL
Target:	EPH Receptor A7 (EPA7)
Binding Specificity:	AA 11-41, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This EPH Receptor A7 antibody is un-conjugated
Application:	Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This EphA7 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 11-41 amino acids from the N-terminal region of human EphA7.
Clone:	RB1639
Isotype:	Ig Fraction
Predicted Reactivity:	M, Rat
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:	<p>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).</p>
Molecular Weight:	112097
Gene ID:	2045
NCBI Accession:	NP_004431
UniProt:	Q15375
Pathways:	RTK Signaling

Application Details

Application Notes:	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.
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

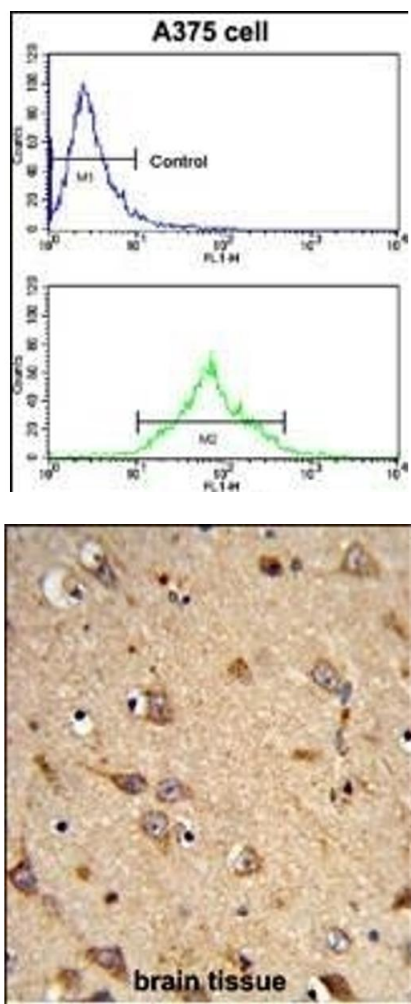
aliquots to prevent freeze-thaw cycles.

Expiry Date: 6 months

Publications

Product cited in: Guan, Xu, Zhang, Ye: "Aberrant methylation of EphA7 in human prostate cancer and its relation to clinicopathologic features." in: **International journal of cancer**, Vol. 124, Issue 1, pp. 88-94, (2009) ([PubMed](#)).

Images



Flow Cytometry

Image 1. Flow cytometric analysis of cells using EphA7 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.

Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Formalin-fixed and paraffin-embedded human brain tissue reacted with EphA7 Antibody (N-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.