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Datasheet for ABIN5536991

anti-EPH Receptor A5 antibody (N-Term)

2 Images

Overview

Quantity:	400 µL
Target:	EPH Receptor A5 (EPhA5)
Binding Specificity:	AA 17-42, N-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This EPH Receptor A5 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This EphA5 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 17-42 amino acids from the N-terminal region of human EphA5.
Isotype:	Ig Fraction
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis

Target Details

Target:	EPH Receptor A5 (EPhA5)
Alternative Name:	EphA5 (EPhA5 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

Target Details

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: 115 kDa

Gene ID: 2044

UniProt: [P54756](#)

Pathways: [RTK Signaling](#)

Application Details

Application Notes: For WB starting dilution is: 1:1000

For IHC-P starting dilution is: 1:10~50

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1.42 mg/mL

Buffer: Supplied in PBS with 0.09 % (W/V) sodium azide.

Preservative: Sodium azide

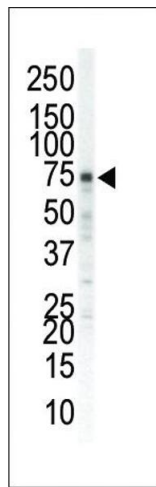
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C, -20 °C

Storage Comment: Store at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to

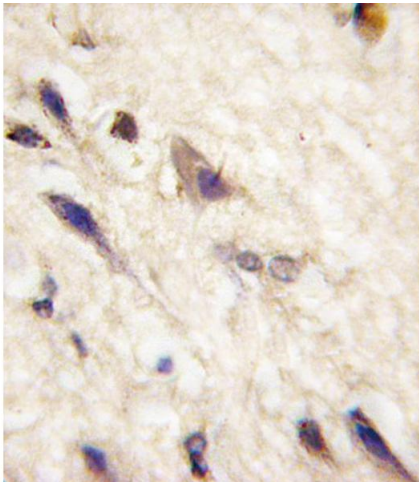
prolonged high temperatures.

Images



Western Blotting

Image 1. Western blot analysis of anti-EphA5 N-term Pab in mouse brain tissue



Immunohistochemistry

Image 2. Formalin-fixed and paraffin-embedded human brain tissue reacted with EphA5 antibody (N-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining.