

Datasheet for ABIN7151843

anti-EPH Receptor A5 antibody (AA 246-514)**3** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	EPH Receptor A5 (EPHA5)
Binding Specificity:	AA 246-514
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This EPH Receptor A5 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant Human Ephrin type-A receptor 5 protein (246-514AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	EPH Receptor A5 (EPHA5)
Alternative Name:	EPHA5 (EPHA5 Products)
Background:	Background: Receptor tyrosine kinase which binds promiscuously GPI-anchored ephrin-A family ligands residing on adjacent cells, leading to contact-dependent bidirectional signaling into

Target Details

neighboring cells. The signaling pathway downstream of the receptor is referred to as forward signaling while the signaling pathway downstream of the ephrin ligand is referred to as reverse signaling. Among GPI-anchored ephrin-A ligands, EFNA5 most probably constitutes the cognate/functional ligand for EPHA5. Functions as an axon guidance molecule during development and may be involved in the development of the retinotectal, entorhino-hippocampal and hippocamposeptal pathways. Together with EFNA5 plays also a role in synaptic plasticity in adult brain through regulation of synaptogenesis. In addition to its function in the nervous system, the interaction of EPHA5 with EFNA5 mediates communication between pancreatic islet cells to regulate glucose-stimulated insulin secretion (By similarity).

Aliases: Brain-specific kinase antibody, bsk antibody, CEK 7 antibody, Eck like sequence 1 antibody, EHK 1 antibody, EHK-1 antibody, EK7 antibody, Els 1 antibody, EPH homology kinase 1 antibody, EPH-like kinase 7 antibody, EPHA5 antibody, EPHA5_HUMAN antibody, Ephrin type A receptor 5 antibody, Ephrin type-A receptor 5 antibody, HEK 7 antibody, hEK7 antibody, Receptor protein tyrosine kinase HEK 7 antibody, Rek 7 antibody, TYRO 4 antibody, Tyrosine protein kinase receptor EHK 1 antibody

UniProt: [P54756](#)

Pathways: [RTK Signaling](#)

Application Details

Application Notes: Recommended dilution: WB:1:500-1:5000, IHC:1:20-1:200, IF:1:50-1:200,

Restrictions: For Research Use only

Handling

Format: Liquid

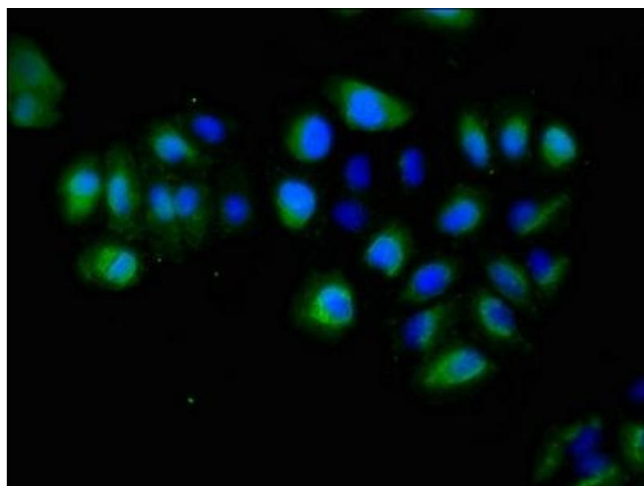
Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

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

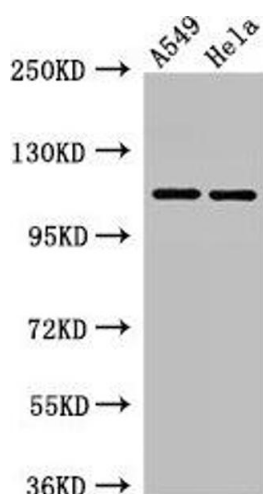
Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



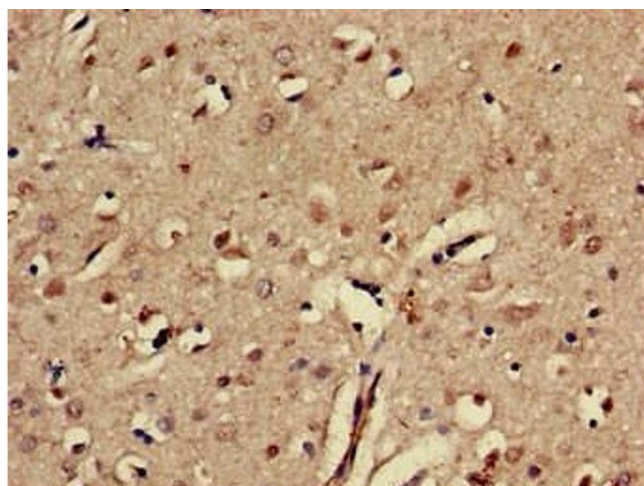
Immunofluorescence

Image 1. Immunofluorescent analysis of A549 cells using ABIN7151843 at dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



Western Blotting

Image 2. Western Blot Positive WB detected in: A549 whole cell lysate, HeLa whole cell lysate All lanes: EPHA5 antibody at 3 µg/mL Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 115, 113, 108 kDa Observed band size: 115 kDa



Immunohistochemistry

Image 3. Immunohistochemistry of paraffin-embedded human brain tissue using ABIN7151843 at dilution of 1:100