Datasheet for ABIN7151851

anti-EPH Receptor A7 antibody (AA 28-182)

2 Images

Go to Product page

Overview

Quantity:	100 µg
Target:	EPH Receptor A7 (EPHA7)
Binding Specificity:	AA 28-182
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This EPH Receptor A7 antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant Human Ephrin type-A receptor 7 protein (28-182AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	EPH Receptor A7 (EPHA7)
Alternative Name:	EPHA7 (EPHA7 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

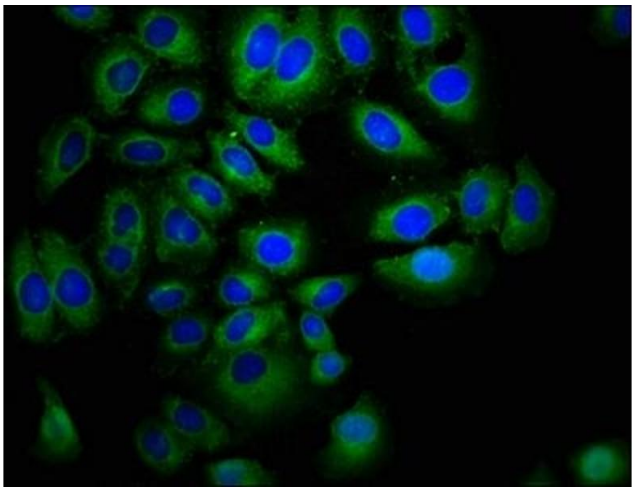
	neighboring cells. The signaling pathway downstream of the receptor is referred to as forward signaling while the signaling pathway downstream of the ephrin ligand is referred to as reverse signaling. Among GPI-anchored ephrin-A ligands, EFNA5 is a cognate/functional ligand for EPHA7 and their interaction regulates brain development modulating cell-cell adhesion and repulsion. Has a repellent activity on axons and is for instance involved in the guidance of corticothalamic axons and in the proper topographic mapping of retinal axons to the colliculus. May also regulate brain development through a caspase(CASP3)-dependent proapoptotic activity. Forward signaling may result in activation of components of the ERK signaling pathway including MAP2K1, MAP2K2, MAPK1 AND MAPK3 which are phosphorylated upon activation of EPHA7. Aliases: Cek 11 antibody, Developmental kinase 1 antibody, EBK antibody, EHK-3 antibody, EHK3 antibody, EK11 antibody, Embryonic brain kinase antibody, EPH homology kinase 3 antibody, EPH-like kinase 11 antibody, Epha7 antibody, EPHA7_HUMAN antibody, Ephrin receptor Eph A7 antibody, Ephrin type A receptor 7 antibody, Ephrin type-A receptor 7 antibody, hEK11 antibody, MDK 1 antibody, Receptor protein tyrosine kinase HEK 11 antibody, Tyrosine protein kinase receptor EHK 3 antibody
UniProt:	Q15375
Pathways:	RTK Signaling

Application Details

Application Notes:	Recommended dilution: IHC:1:20-1:200, IF:1:50-1:500,
Restrictions:	For Research Use only

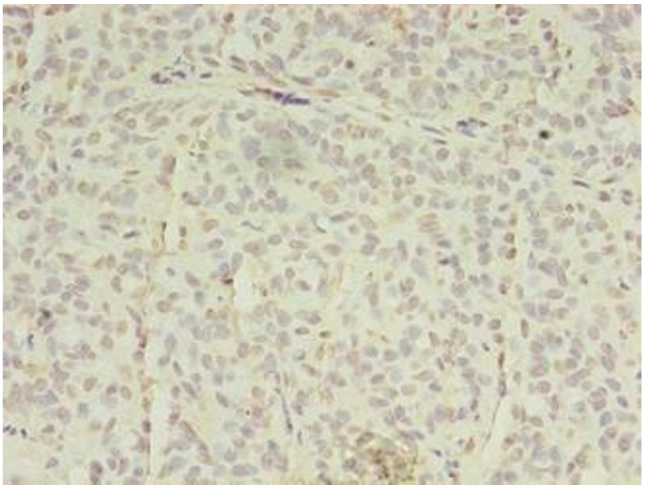
Handling

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. Immunofluorescence staining of A549 cells with ABIN7151851 at 1:400, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was Alexa Fluor 488-congugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunohistochemistry

Image 2. Immunohistochemistry of paraffin-embedded human breast cancer using ABIN7151851 at dilution of 1:100