Datasheet for ABIN7151823

anti-NGEF antibody (AA 495-710)

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1 Image

Overview

Quantity:	100 µL
Target:	NGEF
Binding Specificity:	AA 495-710
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NGEF antibody is un-conjugated
Application:	ELISA, Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant Human Ephexin-1 protein (495-710AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Antigen Affinity Purified

Target Details

Target:	NGEF
Alternative Name:	NGEF (NGEF Products)
Background:	Background: Acts as a guanine nucleotide exchange factor (GEF) which differentially activates the GTPases RHOA, RAC1 and CDC42. Plays a role in axon guidance regulating ephrin-induced

Target Details

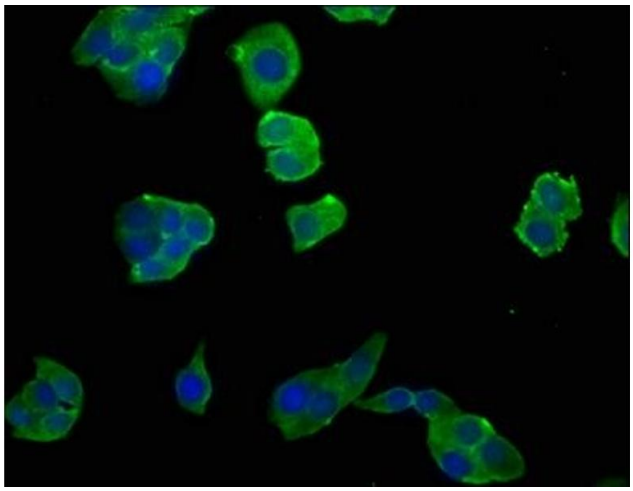
	growth cone collapse and dendritic spine morphogenesis. Upon activation by ephrin through EPHA4, the GEF activity switches toward RHOA resulting in its activation. Activated RHOA promotes cone retraction at the expense of RAC1- and CDC42-stimulated growth cone extension (By similarity). Aliases: ARHGEF27 antibody, Eph receptor-interacting exchange protein antibody, Eph-interacting exchange protein antibody, EPHEXIN antibody, Ephexin-1 antibody, Guanine nucleotide exchange factor, neuronal antibody, Neuronal guanine nucleotide exchange factor antibody, Ngef antibody, NGEF_HUMAN antibody
UniProt:	Q8N5V2
Pathways:	Neurotrophin Signaling Pathway

Application Details

Application Notes:	Recommended dilution: 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. Immunofluorescence staining of PC-3 cells with ABIN7151823 at 1:50, 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).

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