

[Go to Product page](#)

Datasheet for ABIN7116830 **anti-NGEF antibody**

Overview

Quantity:	100 µg
Target:	NGEF
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NGEF antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunoprecipitation (IP)

Product Details

Immunogen:	neuronal guanine nucleotide exchange factor
Isotype:	IgG
Purification:	Immunogen affinity purified
Purity:	≥95 % as determined by SDS-PAGE

Target Details

Target:	NGEF
Alternative Name:	NGEF (NGEF Products)
Background:	Synonyms: 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 growth cone collapse and dendritic spine morphogenesis. Upon activation by ephrin through EPHA4, the GEF activity switches toward RHOA resulting in its activation.

Target Details

	Activated RHOA promotes cone retraction at the expense of RAC1-and CDC42-stimulated growth cone extension(By similarity).
Molecular Weight:	75 kDa
Gene ID:	25791
UniProt:	Q8N5V2
Pathways:	Neurotrophin Signaling Pathway

Application Details

Application Notes:	WB: 1:500-1:1000, IP: 1:500-1:1000, IHC: 1:50-1:500
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide and 50 % glycerol pH 7.3,
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:	-20 °C
Storage Comment:	-20°C for 12 months (Avoid repeated freeze / thaw cycles.)
Expiry Date:	12 months