

Datasheet for ABIN6243778
anti-NGEF antibody (N-Term)[Go to Product page](#)

1 Image

Overview

Quantity:	200 µL
Target:	NGEF
Binding Specificity:	AA 187-220, N-Term
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NGEF antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	This NGEF antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 187-220 amino acids from the N-terminal region of human NGEF.
Clone:	RB53236
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	NGEF
Alternative Name:	NGEF (NGEF Products)
Background:	Acts as a guanine nucleotide exchange factor (GEF) which differentially activates the GTPases

Target Details

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. Activated RHOA promotes cone retraction at the expense of RAC1- and CDC42-stimulated growth cone extension (By similarity).

Molecular Weight: 82496

UniProt: [Q8N5V2](#)

Pathways: [Neurotrophin Signaling Pathway](#)

Application Details

Application Notes: WB: 1:1000-1:2000

Restrictions: For Research Use only

Handling

Format: Liquid

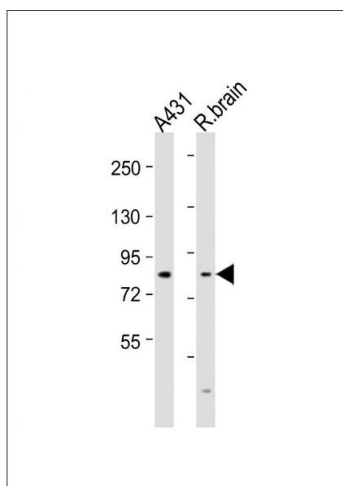
Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

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

Expiry Date: 6 months



Western Blotting

Image 1. All lanes : Anti-NGEF Antibody (N-term) at 1:1000-1:2000 dilution Lane 1: A431 whole cell lysates Lane 2: rat brain lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 82 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.