Datasheet for ABIN7252975

anti-NGEF antibody

3 Images

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Overview

Quantity:	200 µL
Target:	NGEF
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NGEF antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	Fusion protein of human NGEF
Isotype:	IgG
Characteristics:	Polyclonal Antibody
Purification:	Antigen 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 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

Target Details

	retraction at the expense of RAC1- and CDC42-stimulated growth cone extension (By similarity).
Molecular Weight:	Observed_MW: Refer to figures Calculated_MW: 82 kDa
UniProt:	Q8N5V2
Pathways:	Neurotrophin Signaling Pathway

Application Details

Application Notes:	WB 1:500-1:2000, IHC 1:30-1:150, ELISA 1:5000-1:10000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.6 mg/mL
Buffer:	PBS with 0.05 % Sodium azide and 40 % Glycerol, pH 7.4
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:	Store at -20°C. Avoid freeze / thaw cycles.

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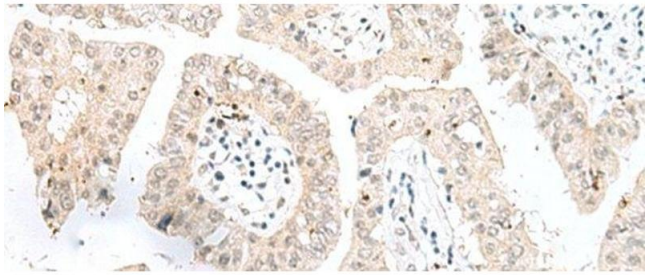
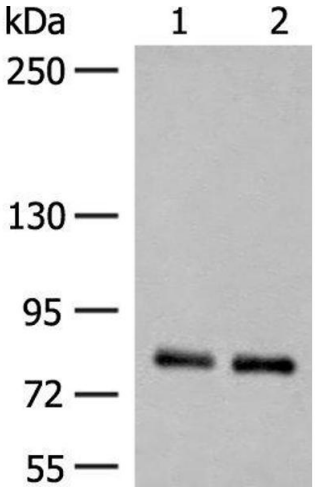


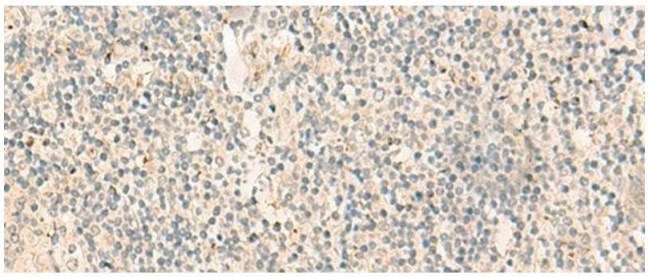
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry of paraffin-embedded Human liver cancer tissue using NGEF Polyclonal Antibody at dilution of 1:35(x200)



Western Blotting

Image 2. Western blot analysis of Rat brain tissue and Mouse brain tissue lysates using NGEF Polyclonal Antibody at dilution of 1:250



Immunohistochemistry (Paraffin-embedded Sections)

Image 3. Immunohistochemistry of paraffin-embedded Human tonsil tissue using NGEF Polyclonal Antibody at dilution of 1:35(x200)

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