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Datasheet for ABIN1391395  
**anti-NGEF antibody (AA 451-550) (Biotin)**

### Overview

Quantity:	100 µL
Target:	NGEF
Binding Specificity:	AA 451-550
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NGEF antibody is conjugated to Biotin
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

### Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human EPHEXIN
Isotype:	IgG
Cross-Reactivity:	Mouse, Rat
Predicted Reactivity:	Human,Dog,Cow,Pig,Horse,Chicken
Purification:	Purified by Protein A.

### Target Details

Target:	NGEF
Alternative Name:	Ephexin-1/EPHEXIN ( <a href="#">NGEF Products</a> )

## Target Details

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Background: Synonyms: EPHEXIN, ARHGEF27, Ephexin-1, Eph-interacting exchange protein, Neuronal guanine nucleotide exchange factor, NGEF

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

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Gene ID: 25791

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UniProt: [Q8N5V2](#)

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Pathways: [Neurotrophin Signaling Pathway](#)

## Application Details

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Application Notes: WB 1:300-5000  
IHC-P 1:200-400  
IHC-F 1:100-500

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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Concentration: 1 µg/µL

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Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

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Preservative: ProClin

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Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

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Storage: -20 °C

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Storage Comment: Store at -20°C for 12 months.

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Expiry Date: 12 months