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[Primary Antibody]

Rabbit Anti-NGEF Polyclonal Antibody

Catalog Number: SLA0322

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
GeneID:	25791
SWISS:	Q8N5V2
Target:	NGEF
Immunogen:	KLH conjugated Synthesised phosphopeptide derived from human Ephexin-1 around the phosphorylation site of Tyr87
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB (1:300-5000) Not yet tested in other applications. Optimal working dilutions must be determined by the end user.
Predicted MW.:	82 kDa
Subcellular Location:	Cytoplasm
Background:	EPHEXIN is a 710 amino acid protein that localizes to both the membrane and the cytoplasm and contains one SH3 domain, one PH domain and one DH domain. Expressed at high levels in brain and present at lower levels in lung tissue, EPHEXIN interacts with EphA4 and functions as a guanine nucleotide exchange factor (GEF) that is capable of activating Rho A, Rac 1 and Cdc42 and is thought to play a role in axon guidance and growth cone collapse. EPHEXIN is subject to Src-dependent phosphorylation, an event that increases the GEF activity of EPHEXIN toward Rho A. Human EPHEXIN, which exists as multiple alternatively spliced isoforms, shares a high degree of sequence homology with its mouse counterpart, suggesting a conserved role between species.

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.