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anti-NGEF antibody (pTyr179)



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Quantity:	100 μL	
Target:	NGEF	
Binding Specificity:	pTyr179	
Reactivity:	Human, Mouse, Rat	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This NGEF antibody is un-conjugated	
Application:	Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunofluorescence (Cultured Cells) (IF (cc)), ELISA, Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunocytochemistry (ICC)	

Product Details

Immunogen:	KLH conjugated synthetic phosphopeptide derived from human Ephexin-1 around the phosphorylation site of Tyr179
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Predicted Reactivity:	Chicken
Purification:	Purified by Protein A.

Target Details

Concentration:

Alternative Name:	Ephexin-1 (NGEF Products)		
	Ephexin-1 (NGEF Products)		
Background:	Synonyms: Ephexin-1 phospho Y179, p-Ephexin-1 phospho Y179, ARHGEF27, Eph-interacting		
	exchange protein, EPHEXIN, Ephexin 1, Neuronal guanine nucleotide exchange factor, Ngef,		
	NGEF_HUMAN.		
	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.		
Gene ID:	25791		
Pathways:	Neurotrophin Signaling Pathway		
Application Details			
Application Notes:	WB 1:300-5000		
	ELISA 1:500-1000		
	IHC-P 1:200-400		
	IHC-F 1:100-500		
	IF(IHC-P) 1:50-200		
	IF(IHC-F) 1:50-200		
	IF(ICC) 1:50-200		
	ICC 1:100-500		
Restrictions:	For Research Use only		
Handling			
Format:	Liquid		

Buffer: 0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

1 μg/μL

Handling

Preservative:	ProClin	
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.	
Storage:	4 °C,-20 °C	
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.	
Expiry Date:	12 months	