



Anti-NGEF (aa 1-133) polyclonal antibody (DPABH-16291)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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. 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.
Immunogen	antigen sequence, corresponding to amino acids 1-133 of Human Ephexin-1.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Immunogen affinity purified
Conjugate	Unconjugated
Applications	IHC-P, ICC/IF
Format	Liquid
Size	100 µl
Buffer	pH: 7.20; Constituents: 59% PBS, 40% Glycerol
Preservative	0.02% Sodium Azide
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

GENE INFORMATION

Gene Name	NGEF neuronal guanine nucleotide exchange factor [Homo sapiens]
Official Symbol	NGEF
Synonyms	NGEF; neuronal guanine nucleotide exchange factor; EPHEXIN; ARHGEF27; ephexin-1; eph-interacting exchange protein;
Entrez Gene ID	25791
Protein Refseq	NP_001107562.1
UniProt ID	Q8N5V2
Pathway	Axon guidance; Cell death signalling via NRAGE, NRIF and NADE; G alpha (12/13) signalling events; NRAGE signals death through JNK
Function	Rho guanyl-nucleotide exchange factor activity;