



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

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| 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

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| 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; |