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Datasheet for ABIN5003366

anti-ARHGEF25/GEFT antibody (AA 251-340) (Alexa Fluor 750)

Overview

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| Quantity: | 100 µL |
| Target: | ARHGEF25/GEFT (ARHGEF25) |
| Binding Specificity: | AA 251-340 |
| Reactivity: | Rat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This ARHGEF25/GEFT antibody is conjugated to Alexa Fluor 750 |
| Application: | Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)) |

Product Details

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| Immunogen: | KLH conjugated synthetic peptide derived from human GEFT |
| Isotype: | IgG |
| Cross-Reactivity: | Rat |
| Predicted Reactivity: | Human, Mouse, Cow, Sheep, Pig, Rabbit |
| Purification: | Purified by Protein A. |

Target Details

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| Target: | ARHGEF25/GEFT (ARHGEF25) |
| Alternative Name: | GEFT (ARHGEF25 Products) |

Target Details

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| Background: | <p>Synonyms: ARHGEF25, ARHGP_HUMAN, GEFT, p63RhoGEF, Guanine nucleotide exchange factor GEFT, p63RhoGEF , RAC/CDC42 exchange factor, Rac/Cdc42/Rho exchange factor GEFT, Rho guanine nucleotide exchange factor 25, RhoA/RAC/CDC42 exchange factor, RhoA/Rac/Cdc42 guanine nucleotide exchange factor GEFT.</p> <p>Background: GEFT is a 580 amino acid cytoplasmic protein that is highly expressed in excitable tissues such as brain, heart and muscle, and weakly expressed in small intestine, colon, liver, placenta and lung. GEFT may play a role in actin cytoskeleton reorganization in different tissues since its activation induces formation of actin stress fibers. GEFT works as a guanine nucleotide exchange factor for the Rho family of small GTPases and links specifically to G alpha q/11-coupled receptors in Rho A activation. GEFT is an important regulator of processes involved in axon and dendrite formation. Involved in skeletal myogenesis, GEFT seems to be an exchange factor primarily for Rac 1 in neurons. Existing as two alternatively spliced variants, GEFT contains a DH (DBL-homology) domain and a PH domain.</p> |
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Application Details

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| Application Notes: | IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200 |
| Restrictions: | For Research Use only |

Handling

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| Format: | Liquid |
| Concentration: | 1 µg/µL |
| Buffer: | Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol. |
| Preservative: | ProClin |
| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only. |
| Storage: | -20 °C |
| Storage Comment: | Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles. |
| Expiry Date: | 12 months |