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Datasheet for ABIN2813263

anti-FIG4 antibody (AA 1-100) (Alexa Fluor 594)

Overview

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| Quantity: | 100 µL |
| Target: | FIG4 |
| Binding Specificity: | AA 1-100 |
| Reactivity: | Rat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This FIG4 antibody is conjugated to Alexa Fluor 594 |
| 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 FIG4 |
| Isotype: | IgG |
| Cross-Reactivity: | Rat |
| Predicted Reactivity: | Human, Mouse, Dog, Sheep, Pig, Chicken, Monkey |
| Purification: | Purified by Protein A. |

Target Details

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|-------------------|---|
| Target: | FIG4 |
| Alternative Name: | FIG4/SAC3 (FIG4 Products) |

Target Details

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| Background: | <p>Synonyms: 5-bisphosphate 5-phosphatase, Fig4, FIG4_HUMAN, KIAA0274, ALS11, Phosphatidylinositol 3, hSac3, Phosphatidylinositol 3,5 bisphosphate 5 phosphatase, Polyphosphoinositide phosphatase, SAC domain containing protein 3, SAC domain-containing protein 3, SAC3.</p> <p>Background: FIG4 is a 907 amino acid protein that contains one SAC domain through which it is thought to function as a phosphoinositide phosphatase that may play an important role in signal transduction and vesicle trafficking. Defects in the gene encoding FIG4 are the cause of Charcot-Marie-Tooth disease type 4J (CMT4J) and amyotrophic lateral sclerosis type 11 (ALS11), both of which negatively affect the nervous system. CMT4J is a recessive demyelinating disorder of the peripheral nervous system and is characterized by reduced motor nerve conduction velocities and axonal degeneration. Unlike CMT4J, ALS11 is characterized by the degeneration of upper motor neurons in the brain and lower neurons in the spinal cord, causing paralysis and, ultimately, death.</p> |
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| Pathways: | Inositol Metabolic Process |
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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 |
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| Restrictions: | For Research Use only |
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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 |