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Datasheet for ABIN1392803

anti-IFT57 antibody (AA 331-429) (Alexa Fluor 555)

Overview

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| Quantity: | 100 µL |
| Target: | IFT57 |
| Binding Specificity: | AA 331-429 |
| Reactivity: | Human, Mouse, Rat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This IFT57 antibody is conjugated to Alexa Fluor 555 |
| 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 HIPPI |
| Isotype: | IgG |
| Cross-Reactivity: | Human, Mouse, Rat |
| Predicted Reactivity: | Dog,Cow,Horse,Rabbit |
| Purification: | Purified by Protein A. |

Target Details

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| Target: | IFT57 |
| Alternative Name: | HIPPI (IFT57 Products) |

Target Details

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| Background: | <p>Synonyms: Dermal papilla derived protein 8, Dermal papilla-derived protein 8, DERP 8, DERP8, Esrrbl 1, Esrrbl1, ESRRBL1 protein, Estrogen related receptor beta like 1, Estrogen related receptor beta like protein 1, Estrogen-related receptor beta like 1, Estrogen-related receptor beta-like protein 1, FLJ10147, Hip1 Interacting Protein, HIP1 interacting protein HIPPI, Hip1 protein interactor, HIP1-interacting protein, HIPPI, Huntingtin interacting protein 1 interacting protein, Huntingtin interacting protein 1 protein interactor, Huntingtin-interacting protein-1 protein interactor, T 57, t57, T57_HUMAN, Intraflagellar transport 57 homolog Chlamydomonas, Intraflagellar transport 57 homolog, Intraflagellar transport protein 57 homolog, MHS4R2, Vestrogen related receptor beta like 1, Vestrogen-related receptor beta like 1, CDNA FLJ10147 fis clone HEMBA1003369.</p> <p>Background: Programmed neuronal cell death is a feature of neurodegenerative disorders such as Alzheimer's and Huntington's disease, which occur later in human life. Huntington's disease at the molecular and cell level is characterized by polyglutamine expansion of the protein huntingtin (Htt) that leads to apoptotic-mediated neurodegenerative loss of medium spiny neurons throughout the striatum. Polyglutamine expansion reduces the level of association between Hip-1 and Htt, thereby increasing levels of free Hip-1 that then can be the candidate protein Hippi (Hip-1 protein interactor). The Hippi-Hip-1 heterodimer is a pro-apoptotic complex that recruits procaspase-8 and initiates caspase-8 activation, which may contribute to the neuronal cell death observed in individuals diagnosed with Huntington's disease. The human hippi gene maps to chromosome 3q13.13 and encodes a 429 amino acid protein.</p> |
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Pathways: [Hedgehog Signaling](#), [Positive Regulation of Endopeptidase Activity](#)

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 | |
| 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. |

Handling

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| 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 |