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Datasheet for ABIN1696010

anti-GNPTAB antibody (AA 1-100) (Alexa Fluor 488)

Overview

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| Quantity: | 100 µL |
| Target: | GNPTAB |
| Binding Specificity: | AA 1-100 |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This GNPTAB antibody is conjugated to Alexa Fluor 488 |
| Application: | 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 N-acetylglucosamine-1-phosphotransferase subunit alpha |
| Isotype: | IgG |
| Predicted Reactivity: | Human,Mouse,Rat,Cow,Pig,Horse,Rabbit |
| Purification: | Purified by Protein A. |

Target Details

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| Target: | GNPTAB |
| Alternative Name: | GNPTAB (GNPTAB Products) |

Target Details

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| Background: | <p>Synonyms: N-acetylglucosamine-1-phosphotransferase subunit alpha, EC=2.7.8.17, GlcNAc-1-phosphotransferase subunits alpha/beta, GNPTA, GNPTA_HUMAN, Gnptab, KIAA1208, Stealth protein GNPTAB, UDP-N-acetylglucosamine-1-phosphotransferase subunits alpha/beta.</p> <p>Background: This gene encodes two of three subunit types of the membrane-bound enzyme N-acetylglucosamine-1-phosphotransferase, a heterohexameric complex composed of two alpha, two beta, and two gamma subunits. The encoded protein is proteolytically cleaved at the Lys928-Asp929 bond to yield mature alpha and beta polypeptides while the gamma subunits are the product of a distinct gene (GeneID 84572). In the Golgi apparatus, the heterohexameric complex catalyzes the first step in the synthesis of mannose 6-phosphate recognition markers on certain oligosaccharides of newly synthesized lysosomal enzymes. These recognition markers are essential for appropriate trafficking of lysosomal enzymes. Mutations in this gene have been associated with both mucopolipidosis II and mucopolipidosis IIIA.[provided by RefSeq, May 2010].</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 |