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Datasheet for ABIN4998165

anti-IBA57 antibody (AA 131-230) (Alexa Fluor 680)

Overview

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| Quantity: | 100 µL |
| Target: | IBA57 |
| Binding Specificity: | AA 131-230 |
| Reactivity: | Rat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This IBA57 antibody is conjugated to Alexa Fluor 680 |
| 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 C1orf69 |
| Isotype: | IgG |
| Cross-Reactivity: | Rat |
| Predicted Reactivity: | Human,Mouse,Pig |
| Purification: | Purified by Protein A. |

Target Details

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| Target: | IBA57 |
| Alternative Name: | C1orf69 (IBA57 Products) |

Target Details

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| Background: | <p>Synonyms: C1orf69, CA069_HUMAN, CAF17_HUMAN, FLJ12734, FLJ13849, IBA57, IBA57 iron sulfur cluster assembly homolog, IBA57 iron sulfur cluster assembly homolog <i>S. cerevisiae</i>, Iron sulfur cluster assembly factor for biotin synthase and aconitase like, Iron-sulfur cluster assembly factor homolog, mitochondrial, Mitochondrial proteins with a mass of 57 kDa, Putative transferase C1orf69, Putative transferase C1orf69 mitochondrial, Putative transferase CAF17, mitochondrial.</p> <p>Background: Belonging to the CAF17 subfamily of the gcvT family, C1orf69 is a 356 amino acid mitochondrial protein that is required for normal heme synthesis. Heme synthesis is dependent upon receiving iron through iron sulfur (Fe-S) cluster biogenesis proteins such as C1orf69, which is specifically thought to assemble Fe-S clusters for mitochondrial aconitase and lipoate synthase. In zebrafish, deficiency of C1orf69 causes anemia. The gene encoding C1orf69 maps to human chromosome 1, the largest human chromosome spanning about 260 million base pairs and making up 8 % of the human genome. There are about 3,000 genes on chromosome 1, and considering the great number of genes there are also a large number of diseases associated with chromosome 1.</p> |
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| Gene ID: | 200205 |
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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 |

Handling

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| Storage Comment: | Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles. |
| Expiry Date: | 12 months |