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Datasheet for ABIN909811

anti-DNAJC3 antibody (AA 351-450) (Alexa Fluor 555)

Overview

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|----------------------|---|
| Quantity: | 100 µL |
| Target: | DNAJC3 |
| Binding Specificity: | AA 351-450 |
| Reactivity: | Mouse, Rat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This DNAJC3 antibody is conjugated to Alexa Fluor 555 |
| 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 p58ipk/DNAJC3 |
| Isotype: | IgG |
| Cross-Reactivity: | Mouse, Rat |
| Predicted Reactivity: | Human,Dog,Cow,Pig,Horse |
| Purification: | Purified by Protein A. |

Target Details

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|-------------------|---|
| Target: | DNAJC3 |
| Alternative Name: | P58ipk/Dnajc3 (DNAJC3 Products) |

Target Details

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|-------------|--|
| Background: | <p>Synonyms: DNAJC3, Protein Kinase Inhibitor P58, DnaJ homolog subfamily C member 3, HP58, Interferon induced, double stranded RNA activated protein kinase inhibitor, P58, p58 ipk , P58IPK, PRKRI, Protein kinase inhibitor of 58 kDa, Protein kinase inhibitor p58.</p> <p>Background: DNAJC3 may act as an inhibitor of both the autophosphorylation of EIF2AK2/PKR and the ability of EIF2AK2/PKR to catalyze phosphorylation of the EIF2A. It also functions as a Co-chaperone of HSPA8/HSC70 and is involved in the unfolded protein response (UPR) during ER stress. It has been reported that this protein stimulates the ATPase activity of HSPA8/HSC70. DNAJC3 is also involved in antiviral defense - it is activated in response to infection by influenza virus through the dissociation of DNAJB1. DNAJC3 is widely expressed and can be found at high levels in the testis and pancreas (expression in cell lines is variable).</p> |
| Gene ID: | 5611 |
| UniProt: | Q13217 |
| Pathways: | ER-Nucleus Signaling |

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 |