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Datasheet for ABIN684960

anti-GCN2 antibody (pThr667) (Biotin)

Overview

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| Quantity: | 100 µL |
| Target: | GCN2 (EIF2AK4) |
| Binding Specificity: | pThr667 |
| Reactivity: | Mouse, Rat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This GCN2 antibody is conjugated to Biotin |
| Application: | Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)) |

Product Details

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| Immunogen: | KLH conjugated synthetic phosphopeptide derived from human GCN2 around the phosphorylation site of Thr667 |
| Isotype: | IgG |
| Specificity: | This phosphorylation site is homologous to Thr666 in Mouse and Thr667 in Rat. |
| Cross-Reactivity: | Mouse, Rat |
| Predicted Reactivity: | Human,Dog,Cow,Horse |
| Purification: | Purified by Protein A. |

Target Details

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| Target: | GCN2 (EIF2AK4) |
| Alternative Name: | GCN2 (EIF2AK4 Products) |
| Background: | <p>Synonyms: GCN2, PVOD2, Eukaryotic translation initiation factor 2-alpha kinase 4, GCN2-like protein, EIF2AK4, KIAA1338</p> <p>Background: GCN2 belongs to a family of kinases that phosphorylate the alpha subunit of eukaryotic translation initiation factor 2 to downregulate protein synthesis in response to varied cellular stresses.</p> |
| Gene ID: | 440275 |
| UniProt: | Q9P2K8 |
| Pathways: | ER-Nucleus Signaling , Hepatitis C |

Application Details

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| Application Notes: | WB 1:300-5000 IHC-P 1:200-400 IHC-F 1:100-500 |
| 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 for 12 months. |
| Expiry Date: | 12 months |