

Anti-DNAJB6 Antibody

Catalog Number: A03290

About DNAJB6

Plays a role as a key modulator of the AKT-mTOR signaling pathway controlling the tempo of the process of newborn neurons integration during adult neurogenesis, including correct neuron positioning, dendritic development and synapse formation. Enhances phosphoinositide 3-kinase (PI3K)-dependent phosphorylation and kinase activity of AKT1/PKB, but does not possess kinase activity itself. Phosphorylation of AKT1/PKB thereby induces the phosphorylation of downstream effectors GSK3 and FOXO1/FKHR, and regulates DNA replication and cell proliferation. By similarity. Essential for the integrity of the actin cytoskeleton and for cell migration. Required for formation of actin stress fibers and lamellipodia. May be involved in membrane sorting in the early endosome.

Enomoto A., Dev. Cell 9:389-402(2005).

Simpson F., Traffic 6:442-458(2005).

Hillier L.W., Nature 434:724-731(2005).

Overview

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| Product Name | Anti-DNAJB6 Antibody |
| Reactive Species | Human, Mouse, Rat |
| Description | Boster Bio Anti-DNAJB6 Antibody catalog # A03290. Tested in WB,IHC,ICC/IF applications. This antibody reacts with Human,Mouse,Rat. |
| Application | IF, IHC, ICC, WB |
| Clonality | Polyclonal |
| Formulation | Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2 |
| Storage Instructions | Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles. |
| Host | Rabbit |
| Uniprot ID | O75190 |

Technical Details

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| Immunogen | Synthesized peptide derived from human Laminin alpha-2 |
| Predicted Reactive Species | Boar, Bovine, Canine, Golden Hamster |
| Isotype | IgG |
| Form | Liquid |
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| Concentration | 1 mg/ml |
| Purification | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE). |
| Suggested Dilutions | <p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>WB: 1:500-1:2000 IHC: 1:50-1:200 ICC/IF: 1:50-1:100</p> |

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