

Anti-Phospho-EIF2S1 (Y150) Antibody

Catalog Number: P04387-1

About EIF2S1

EIF2S1(Eukaryotic Translation Initiation Factor 2, Subunit 1), also called EIF2-alpha, is a protein that in humans is encoded by the EIF2S1 gene. Hartz(2010) mapped the EIF2S1 gene to chromosome 14q23.3 based on an alignment of the EIF2S1 sequence with the genomic sequence(GRCh37). Ernst et al.(1987) stated that protein synthesis is inhibited due to phosphorylation of Eif2-alpha in hemin-deprived rabbit reticulocyte lysates. HeLa cells subjected to heat shock, serum deprivation, or interferon treatment followed by virus infection also show a correlation between EIF2-alpha phosphorylation and translational repression. Jacob et al.(1989) found that the alpha-Pal transcription factor bound to 2 palindromic sites within the EIF2-alpha promoter and was essential for transcription of the EIF2-alpha gene.

Overview

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| Product Name | Anti-Phospho-EIF2S1 (Y150) Antibody |
| Reactive Species | Human, Mouse, Rat |
| Description | Boster Bio Anti-Phospho-EIF2S1 (Y150) Antibody catalog # P04387-1. Tested in WB, IHC applications. This antibody reacts with Human, Mouse, Rat. |
| Application | IHC, WB |
| Clonality | Polyclonal |
| Formulation | 500 ug/ml antibody with PBS, 0.02% NaN ₃ , 1 mg stabilizing protein and 50% glycerol This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required. |
| Storage Instructions | 12 months from date of receipt at -20°C as supplied. 6 months at 2 to 8°C after reconstitution. Avoid repeated freezing and thawing. |
| Host | Rabbit |
| Uniprot ID | P05198 |

Technical Details

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| Immunogen | A synthesized peptide derived from human eIF2 alpha around the phosphorylation site of Tyr150. |
| Form | Liquid |
| Concentration | 500 ug/ml |
| Purification | Protein A affinity purified. |
| Suggested Dilutions | Western blot, 1:500-2000 |

Immunohistochemistry, 1:50-200

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For Research Use Only. Not for use in diagnostic procedures.