AP0745SP

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Phospho-eIF2α-S51 Rabbit pAb

Catalog No.: AP0745SP 5 Publications

Basic Information

Observed MW

Calculated MW
36 kDa

Category
Polyclonal Antibody

Applications
WB,IP,ELISA

Cross-Reactivity
Human,Mouse,Rat

Background

The translation initiation factor EIF2 catalyzes the first regulated step of protein synthesis initiation, promoting the binding of the initiator tRNA to 40S ribosomal subunits. Binding occurs as a ternary complex of methionyl-tRNA, EIF2, and GTP. EIF2 is composed of 3 nonidentical subunits, the 36-kD EIF2-alpha subunit (EIF2S1), the 38-kD EIF2-beta subunit (EIF2S2; MIM 603908), and the 52-kD EIF2-gamma subunit (EIF2S3; MIM 300161). The rate of formation of the ternary complex is modulated by the phosphorylation state of EIF2-alpha (Ernst et al., 1987 [PubMed 2948954]).

Recommended Dilutions

WB	1:1000 - 1:5000
IP	0.5μg-4μg antibody for 200μg-400μg extracts of whole cells
ELISA	Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.

Contact

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Immunogen Information

Gene ID
1965

Swiss Prot
P05198

Immunogen
This information is considered to be commercially sensitive.

Synonyms
EIF2; EIF-2; EIF2A; EIF-2A; EIF-2alpha; Phospho-eIF2α-S51

Product Information

Source
Rabbit

Isotype
IgG

Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS, pH 7.3, containing 50% glycerol. Preserved with Proclin300 or sodium azide. May contain 0.05% BSA as specified on the Certificate of Analysis.