

Nur für Forschungszwecke

Phospho-eEF2K (Ser366) Polyklonaler Antikörper



Katalog-Nr.: 29032-1-AP

Allgemeine Informationen

Katalog-Nr.: 29032-1-AP	GenBank-Zugangsnummer: BC032665	Reinigungsmethode: Antigen-Affinitätsreinigung
Größe: 100ul, Konzentration: 300 µg/ml von Nanodrop;	GeneID (NCBI): 29904	Empfohlene Verdünnungen: WB 1:1000-1:4000
Wirt: Kaninchen	Vollständiger Name: eukaryotic elongation factor-2 kinase	
Isotyp: IgG	Berechnete Masse: 725 aa, 100 kDa	
	Beobachtete Masse: 100 kDa	

Anwendungen

Geprüfte Anwendungen: WB, ELISA	Positivkontrollen: WB: Jurkat-Zellen, mit λ-Phosphatase behandelte Jurkat-Zellen
Getestete Reaktivität: Human	

Hintergrundinformationen

Eukaryotic Elongation Factor-2 Kinase (eEF2K) acts as a negative regulator of protein synthesis, translation, and cell growth. As a structurally unique member of the alpha-kinase family, eEF2K is essential to cell survival under stressful conditions, as it contributes to both cell viability and proliferation. eEF2K is regulated by various mechanisms, including phosphorylation through residues and autophosphorylation. eEF2K is regulated by various mechanisms, including phosphorylation through residues and autophosphorylation. eEF2K is downregulated through the phosphorylation of multiple sites via mTOR signaling and upregulated via the AMPK pathway. In the S6K-mediated pathway, RPS6KB1 or p70S6K, can phosphorylate eEF2K on Ser-366, rendering it inactive (PMID: 11500364, PMID: 34532346). The calculated molecular weight of eEF2K is 82kDa, and probably due to phosphorylation modification, resulting in a larger molecular weight, around 100kDa.

Lagerung

Lagerungsbedingungen:
Bei -20°C lagern.
Lagerungspuffer:
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.
Aliquotieren ist nicht notwendig bei -20°C Lagerung

*** 20ul-Größen enthalten 0.1% BSA

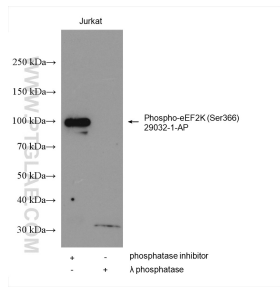
For technical support and original validation data for this product please contact:

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Ausgewählte Validierungsdaten



Non-treated and λ phosphatase treated Jurkat cells were subjected to SDS PAGE followed by western blot with 29032-1-AP (Phospho-eEF2K (Ser366) antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.