

## Phospho-eIF2alpha-S51 Monoclonal Antibody

CABP0692

### Description

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This Phospho-eIF2alpha-S51 Monoclonal Antibody is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

### Product Information

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<b>SKU:</b>	CABP0692
<b>Contents:</b>	20 $\mu$ L, 100 $\mu$ L Bradford Reagent: 1 vial (2ml)
<b>Category:</b>	Monoclonal Antibody
<b>Synonyms:</b>	EIF2, EIF-2, EIF2A, EIF-2A, EIF-2alpha, Phospho-eIF2 $\alpha$ -S51
<b>Clone:</b>	ARC0130
<b>Applications:</b>	<span>WB</span> <span>ELISA</span>
<b>Conjugation:</b>	Unconjugated
<b>Reactivity:</b>	Human, Mouse, Rat

### Antibody Data

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<b>Gene ID:</b>	1965
<b>Uniprot:</b>	AB_2863809
<b>Host Species:</b>	Rabbit
<b>Purification:</b>	Affinity purification
<b>Observed MW:</b>	36 kDa
<b>Calculated MW:</b>	36 kDa

## Preparation & Storage

**Storage:** Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.09% sodium azide, 0.05% BSA, 50% glycerol, pH 7.3.

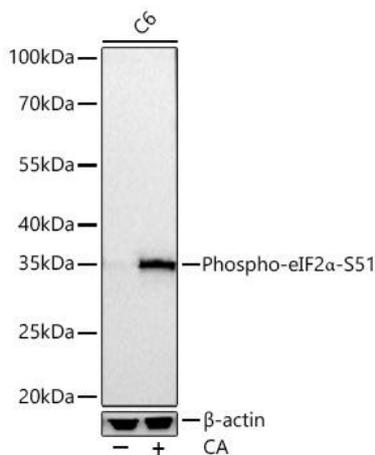
Store Bradford Reagent at Room Temperature for 1 Year.

**Positive Sample:** HeLa treated with Calyculin A, NIH/3T3 treated with Calyculin A, C6 treated with CA

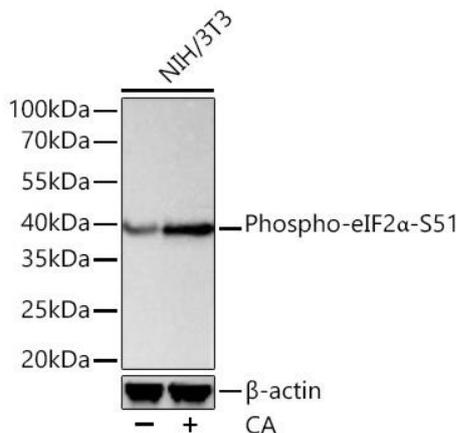
<b>Recommended Dilutions:</b>	<b>WB</b>	1:2000 - 1:10000
	<b>ELISA</b>	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

**Protein Quantification (Optional):** To quantify total protein levels, use the Bradford Reagent included in this kit. Visit <https://www.assaygenie.com/bradford-protein-assay-protocol/> to view the full protocol

## Validation Data



Western blot analysis of lysates from cells using Phospho-eIF2α- Rabbit mAb (CABP0692) at 1:10000 dilution incubated overnight at 4°C. cells were treated with CA (100 nM) at 37°C for 30 minutes after serum-starvation overnight. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 30 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (AbGn00020). Exposure time: 30 s.



Western blot analysis of lysates from NIH/3T3 cells using Phospho-eIF2α- Rabbit mAb (CABP0692) at 1:5000 dilution incubated at room temperature for 1.5 hours. NIH/3T3 cells were treated with CA (100 nM) at 37°C for 30 minutes after serum-starvation overnight. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 30 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (AbGn00020). Exposure time: 20 s.