

Phospho-eIF2alpha-S51 Antibody

CABP0745

Description

This Phospho-eIF2alpha-S51 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

SKU:	CABP0745
Contents:	20 µL, 100 µL Bradford Reagent: 1 vial (2ml)
Category:	Polyclonal Antibody
Synonyms:	EIF2, EIF-2, EIF2A, EIF-2A, EIF-2alpha, Phospho-eIF2 α -S51
Clone:	-
Applications:	WB IP ELISA
Conjugation:	Unconjugated
Reactivity:	Human, Mouse, Rat

Antibody Data

Gene ID:	1965
Uniprot:	AB_2771066
Host Species:	Rabbit
Purification:	Affinity purification
Observed MW:	38kDa
Calculated MW:	36kDa

Preparation & Storage

Storage: Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS containing 50% glycerol, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

Store Bradford Reagent at Room Temperature for 1 Year.

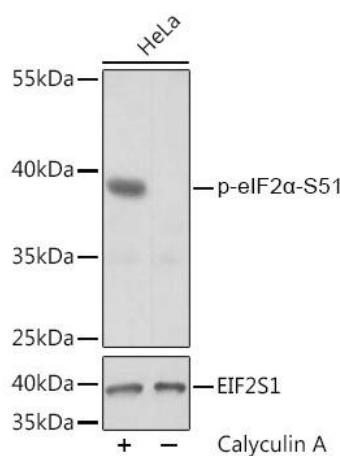
Positive Sample: HeLa treated with Calyculin A

Recommended Dilutions:

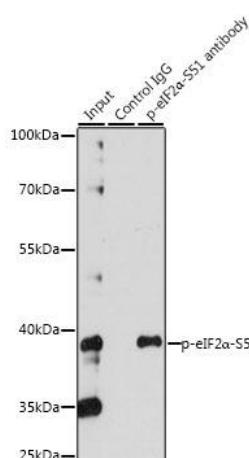
WB	1:1000 - 1:5000
IP	0.5µg-4µg antibody for 200µg-400µg extracts of whole cells
ELISA	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

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 HeLa cells, using Phospho-eIF2α- Rabbit pAb (CAB0764). HeLa cells were treated with Calyculin A (100nM) for 30 minutes after serum-starvation overnight. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% BSA. Detection: ECL Basic Kit (AbGn00020). Exposure time: 1s.



Immunoprecipitation analysis of 200 µg extracts of HeLa cells, using 3 µg Phospho-eIF2α- pAb (CABP0745). Western blot was performed from the immunoprecipitate using Phospho-eIF2α- pAb (CABP0745) at a dilution of 1:1000. HeLa cells were treated with Calyculin A (100 nM) at 37°C for 30 minutes after serum-starvation overnight.