

Anti-Phospho-EIF2S1-S51 antibody (STJ116376)

GENERAL INFORMATION

Product Type	Primary antibodies
Applications	WB/IP/ELISA
Host / Source	Rabbit
Reactivity	Human/Mouse/Rat

PRODUCT PROPERTIES

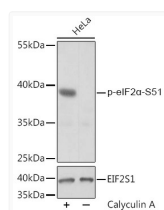
Clonality	Polyclonal
Concentration	Lot specific
Conjugation	Unconjugated
Purification	Affinity purification
Dilution Range	WB:1:1000-1:2000 IP:0.5 Mu g-4 Mu g antibody for 200 Mu g-400 Mu g extracts of whole cells ELISA:Recommended starting concentration is 1 Mu g/mL. Please optimize the concentration based on your specific assay requirements.
Formulation	PBS with 0.09% Sodium Azide, 50% Glycerol, pH7.3.
Isotype	IgG
Molecular Weight	Protein Mw: 36kDa Observed Mw: 38kDa
Storage Instruction	Store at -20°C for up to 1 year from the date of receipt, and avoid repeat freeze-thaw cycles.

TARGET INFORMATION

Gene ID	1965
Gene Symbol	EIF2S1
UniProt ID	IF2A_HUMAN
Immunogen Sequence	SELSRR
Specificity	A synthetic phosphorylated peptide around S51 of human eIF2 Alpha (NP_004085.1).

ADDITIONAL INFORMATION

Note STRICTLY FOR FURTHER SCIENTIFIC RESEARCH USE ONLY (RUO). MUST NOT TO BE USED IN DIAGNOSTIC OR THERAPEUTIC APPLICATIONS.



Western blot analysis of lysates from HeLa cells, using Phospho-eIF2 Alpha-S51 Rabbit pAb (STJ23509). HeLa cells were treated by Calyculin A (100nM) for 30 minutes after serum-starvation overnight.

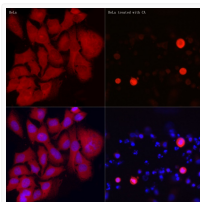
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (STJS000856) at 1:10000 dilution.

Lysates/proteins: 25 Mu g per lane.

Blocking buffer: 3% BSA.

Detection: ECL Basic Kit

Exposure time: 1s.



Immunoprecipitation analysis of 200 Mu g extracts of HeLa cells, using 3 Mu g Phospho-eIF2 Alpha-S51 pAb (STJ116376). Western blot was performed from the immunoprecipitate using Phospho-eIF2 Alpha-S51 pAb (STJ116376) at a dilution of 1:1000. HeLa cells were treated by Calyculin A (100 nM) at 37 °C for 30 minutes after serum-starvation overnight.