

Anti-Phospho-EIF2S1-S51 antibody (STJ116376)

STJ116376

GENERAL INFORMATION

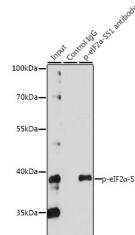
Product Type	Primary antibodies
Short Description	WB/IP/ELISA
Applications	
Host/Source	Rabbit
Reactivity	Human/Mouse/Rat

PRODUCT PROPERTIES

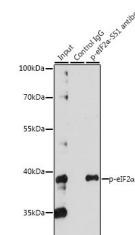
Clonality	Polyclonal
Clone ID	
Concentration	Lot specific
Conjugation	Unconjugated
Purification	Affinity purification
Dilution Range	WB:1:1000-1:2000 IP:0.5 Mu g-4 Mu g antibody for 200 Mu g-400 Mu g extracts of whole cells ELISA:Recommended starting concentration is 1 Mu g/mL. Please optimize the concentration based on your specific assay requirements.
Formulation	PBS with 0.02% Sodium Azide, 50% Glycerol, pH 7.3.
Isotype	IgG
Storage Instruction	Store at -20°C for up to 1 year from the date of receipt, and avoid repeat freeze-thaw cycles.

TARGET INFORMATION

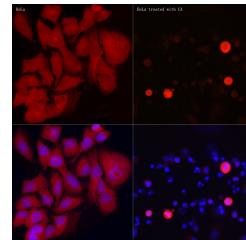
Gene ID	1965
Gene Symbol	EIF2S1
Uniprot ID	IF2A_HUMAN
Immunogen	SELSRR
Immunogen Region	
Specificity	A synthetic phosphorylated peptide around S51 of human eIF2 Alpha (NP_004085.1).
Immunogen Sequence	SELSRR



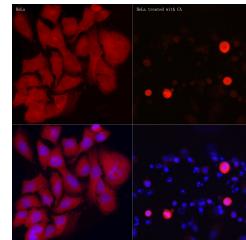
Western blot analysis of extracts of HeLa cells, using Phospho-eIF2 Alpha-S51 polyclonal antibody (STJ116376) at 1:2000 dilution or EIF2S1 antibody (A0764). HeLa cells were treated by Calyculin A (100nM) for 30 minutes, after serum-starvation overnight. Secondary antibody: Goat Anti-rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25μg per lane. Blocking buffer: 3% BSA. Detection: ECL Basic Kit. Exposure time: 1s.



Immunoprecipitation analysis of 200 Mu g extracts of HeLa cells, using 1 Mu g of phospho-eIF2S1-S51 polyclonal antibody (STJ116376). Western blot was performed from the immunoprecipitate using Phospho-eIF2 Alpha-S51 polyclonal antibody (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.



Immunohistochemistry of paraffin-embedded human colon carcinoma using Phospho-eIF2 Alpha-S51 antibody (STJ116376) at dilution of 1:150 (40x lens).



Immunofluorescence analysis of HeLa and Hela treated with CA cells using Phospho-eIF2 Alpha-S51 Rabbit polyclonal antibody (STJ116376) at 1:50 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) at 1:500 dilution. Blue: DAPI for nuclear staining.

This product is suitable for in-vitro studies under the RESEARCH USE ONLY [RUO] licence. This product must not be used as for diagnostic or other medical purposes.
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