

Anti-Phospho-EIF2S1-Ser51 antibody (21-70 aa) (STJ90253)

STJ90253

GENERAL INFORMATION

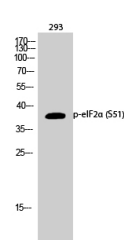
Product Type	Primary antibodies
Short Description	Rabbit polyclonal antibody anti-Phospho-Eukaryotic translation initiation factor 2 subunit 1-Ser51 (21-70 aa) is suitable for use in Immunofluorescence, Western Blot, Immunohistochemistry and ELISA research applications.
Applications	IF/WB/IHC/ELISA
Host/Source	Rabbit
Reactivity	Human/Mouse/Rat/Dog/Pig/Fish

PRODUCT PROPERTIES

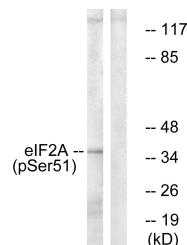
Clonality	Polyclonal
Clone ID	
Concentration	1 mg/mL
Conjugation	Unconjugated
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	IF 1:50-200
Range	WB 1:500-1:2000 IHC 1:100-1:300 ELISA 1:10000
Formulation	Liquid in PBS containing 50% Glycerol, 0.5% BSA and 0.02% Sodium Azide.
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

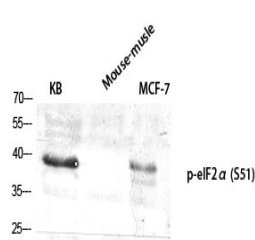
Gene ID	1965
Gene Symbol	EIF2S1
Uniprot ID	IF2A_HUMAN
Immunogen	The antiserum was produced against synthesized peptide derived from the human eIF2 alpha around the phosphorylation site of Ser51 at the amino acid range 21-70
Immunogen Region	21-70 aa
Specificity	Phospho-eIF2 Alpha (S51) Polyclonal Antibody detects endogenous levels of eIF2 Alpha protein only when phosphorylated at S51.
Immunogen Sequence	



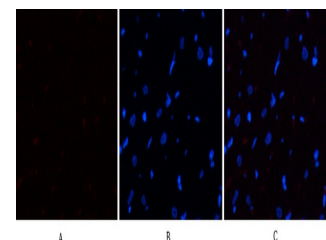
Western blot analysis of 293 cells using Phospho-eIF2 Alpha (S51) Polyclonal Antibody diluted at 1/14 2000



Western blot analysis of lysates from K562 cells treated with IFN-alpha 1000U/ml 18h, using eIF2 alpha (Phospho-Ser51) Antibody. The lane on the right is blocked with the phospho peptide.



Western blot analysis of various cells using Phospho-eIF2 Alpha (S51) Polyclonal Antibody diluted at 1/14 2000



Immunofluorescence analysis of rat-heart tissue. 1. eIF2 Alpha (phospho Ser51) Polyclonal Antibody (red) was diluted at 1:200 (4°C, overnight). 2. Cy3 labeled Secondary antibody was diluted at 1:300 (room temperature, 50min). 3. Picture B: DAPI (blue) 10min. Picture A: Target. Picture B: DAPI. Picture C: merge of A+B

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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