[Primary Antibody]

phospho-EIF2S1 (Ser51) Rabbit pAb



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- DATASHE	т		400-901-9800	
Host	- I Rabbit	lsotype: IgG	Applications: WB (1:500-2000)	
Clonality	Polyclonal		IHC-P (1:100-500)	
GenelD	1965	SWISS: P05198	IF (1:100-500)	
Target	EIF2S1 (Ser51)		Reactivity: Human, Mouse, Rat	
Immunogen:	KLH conjugated syn eIF2 alpha around	nthesised phosphopeptide derived from the phosphorylation site of Ser51: EL(p-S	n human (predicted: Cow, Chicke -S)RR.	en)
Purification	affinity purified by	Protein A		
Concentration: 1mg/ml			Predicted MW.: ^{36 kDa}	
Storage:	: 0.01M TBS (pH7.4) Glycerol. Shipped at 4°C. Sto freeze/thaw cycles.	with 1% BSA, 0.02% Proclin300 and 50% re at -20°C for one year. Avoid repeated	Subcellular Cytoplasm	
Background:	elF2 alpha is a 36 k many cell types. Th subunits (alpha, be the initiation of tra phosphorylated at residue in mouse is controlled represso stranded RNA-depe elF2 alpha blocks t resulting in the sup phosphorylation of in protein synthesis	Da protein which is ubiquitously expressive eIF2 protein, which is composed of thr ta and gamma), is one of the key molecunslation. In mammalian cells, eIF2 alpha serine 51 (human EIF2 alpha, the equival serine 52) by at least two kinases: the ha or (HCR) and the interferon inducible dou endent protein kinase (PKR). Phosphoryla he GDP-GTP exchange activity of eIF2 bein pression of protein synthesis. The feIF2 alpha is an important regulatory pro- s.	ssed in nree cules in a is alent haem- puble ylation of eta, process	

– VALIDATION IMAGES



Sample: Ovary (Mouse) Lysate at 40 ug Primary: Anti-Phospho-elF2 alpha(Ser51) (bs-4842R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 36 kD Observed band size: 34 kD



Sample: Testis (Mouse) Lysate at 40 ug Primary: Anti-Phospho-elF2 alpha(Ser51) (bs-4842R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 36 kD Observed band size: 34 kD



Paraformaldehyde-fixed, paraffin embedded (Rat brain); Antigen retrieval by microwave in sodium citrate buffer (pH6.0); Block endogenous peroxidase by 3% hydrogen peroxide for 30 minutes; Blocking buffer (3% BSA) at RT for 30min; Antibody incubation with (Phospho-eIF2 alpha(Ser51)) Polyclonal Antibody, Unconjugated (bs-4842R) at 1:400 overnight at 4°C, followed by conjugation to the secondary antibody (labeled with HRP) and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by microwave in sodium citrate buffer (pH6.0) ; Block endogenous peroxidase by 3% hydrogen peroxide for 30 minutes; Blocking buffer (3% BSA) at RT for 30min; Antibody incubation with (Phospho-eIF2 alpha(Ser51)) Polyclonal Antibody, Unconjugated (bs-4842R) at 1:400 overnight at 4°C, followed by conjugation to the secondary antibody (labeled with HRP)and DAB staining.

- SELECTED CITATIONS -

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