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anti-EIF2A antibody (pSer52)

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Publications



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Quantity:	100 μL
Target:	EIF2A
Binding Specificity:	pSer52
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This EIF2A antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS), Immunohistochemistry (Paraffinembedded Sections) (IHC (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic phosphopeptide derived from human eIF2 alpha subunit 1 around the phosphorylation site of Ser52 [EL(p-S)RR]	
Isotype:	IgG	
Cross-Reactivity:	Human, Mouse, Rat	
Predicted Reactivity:	Cow	
Purification:	Purified by Protein A.	

Target Details

rarget Details		
Target:	EIF2A	
Alternative Name:	eIF2 alpha (EIF2A Products)	
Background:	Synonyms: EIF2, EIF-2, EIF2A, EIF-2A, EIF-2alpha, Eukaryotic translation initiation factor 2	
	subunit 1, Eukaryotic translation initiation factor 2 subunit alpha, eIF-2-alpha, EIF2S1	
	Background: Functions in the early steps of protein synthesis by forming a ternary complex	
	with GTP and initiator tRNA. This complex binds to a 4S ribosomal subunit, followed by mRNA	
	binding to form a 43S preinitiation complex. Junction of the 6S ribosomal subunit to form the	
	8S initiation complex is preceded by hydrolysis of the GTP bound to eIF-2 and release of an eIF	
	2-GDP binary complex. In order for eIF-2 to recycle and catalyze another round of initiation, the	
	GDP bound to eIF-2 must exchange with GTP by way of a reaction catalyzed by eIF-2B.	
Gene ID:	1965	
UniProt:	P05198	
Pathways:	Ribonucleoprotein Complex Subunit Organization, ER-Nucleus Signaling, Hepatitis C,	
	Methionine Biosynthetic Process, Ribosome Assembly	
Application Details		
Application Notes:	WB 1:300-5000	
	ELISA 1:500-1000	
	FCM 1:20-100	
	IHC-P 1:200-400	
	IHC-F 1:100-500	
	IF(IHC-P) 1:50-200	
	IF(IHC-F) 1:50-200	
	IF(ICC) 1:50-200	
Restrictions:	For Research Use only	
Handling		
Format:	Liquid	
Concentration:	1 μg/μL	
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.	
Preservative:	ProClin	

Handling

Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

Publications

Product cited in:

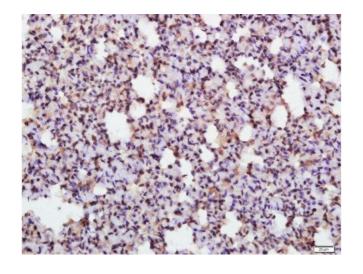
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Images



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Paraformaldehyde-fixed, paraffin embedded rat lung tissue, Antigen retrieval by boiling in sodium citrate buffer(pH6) for 15min, Block endogenous peroxidase by 3% hydrogen peroxide for 30 minutes, Blocking buffer (normal goat serum) at 37°C for 20min, Antibody incubation with Rabbit Anti-eIF2 alpha (Ser51) Polyclonal Antibody, Unconjugated at 1:500 overnight at 4°C, followed by a conjugated secondary and DAB staining