

Datasheet for ABIN684943
anti-GCN2 antibody (pThr899)[Go to Product page](#)

4 Images

1 Publication

Overview

Quantity:	100 µL
Target:	GCN2 (EIF2AK4)
Binding Specificity:	pThr899
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GCN2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS)

Product Details

Immunogen:	KLH conjugated synthetic phosphopeptide derived from human GCN2 around the phosphorylation site of Thr899
Isotype:	IgG
Specificity:	This phosphorylation site is homologous to Thr898 in Mouse and Thr899 in Rat.
Cross-Reactivity:	Human
Predicted Reactivity:	Mouse,Rat,Dog,Cow,Horse
Purification:	Purified by Protein A.

Target Details

Target:	GCN2 (EIF2AK4)
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Target Details

Alternative Name:	GCN2 (EIF2AK4 Products)
Background:	<p>Synonyms: GCN2, PVOD2, Eukaryotic translation initiation factor 2-alpha kinase 4, GCN2-like protein, EIF2AK4, KIAA1338</p> <p>Background: GCN2 belongs to a family of kinases that phosphorylate the alpha subunit of eukaryotic translation initiation factor 2 to downregulate protein synthesis in response to varied cellular stresses.</p>
Gene ID:	440275
UniProt:	Q9P2K8
Pathways:	ER-Nucleus Signaling , Hepatitis C

Application Details

Application Notes:	WB 1:300-5000 ELISA 1:500-1000 FCM 1:20-100
Restrictions:	For Research Use only

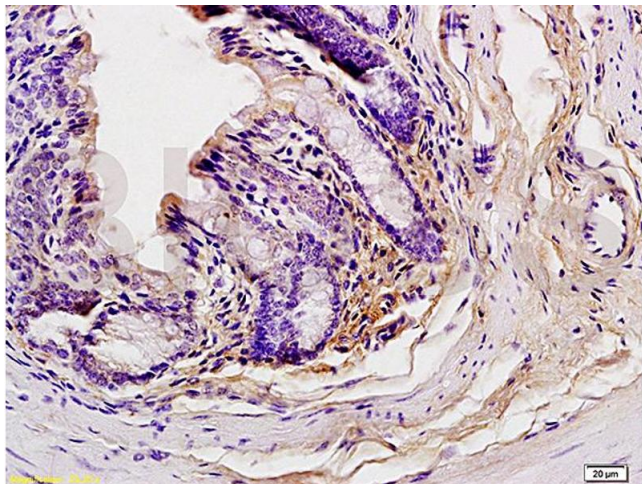
Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
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

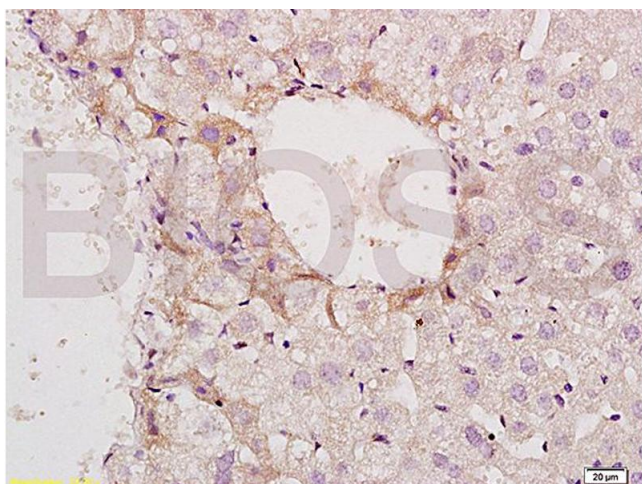
Product cited in:	Lehman, Ryeom, Koumenis: "Signaling through alternative Integrated Stress Response pathways compensates for GCN2 loss in a mouse model of soft tissue sarcoma." in: Scientific
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Images



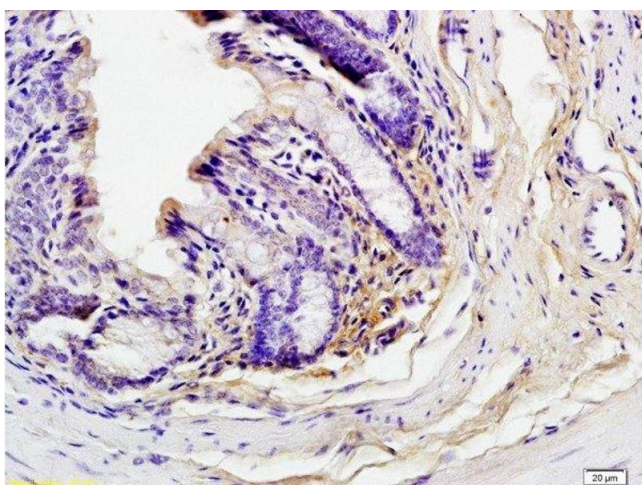
Immunohistochemistry

Image 1. Formalin-fixed and paraffin embedded mouse liver tissue labeled with Anti-Phospho-GCN2 (Thr898) Polyclonal Antibody, Unconjugated (ABIN684943) at 1:200 followed by conjugation to the secondary antibody and DAB staining



Immunohistochemistry

Image 2. Formalin-fixed and paraffin embedded mouse small intestine tissue labeled with Anti-Phospho-GCN2 (Thr898) Polyclonal Antibody, Unconjugated (ABIN684943) at 1:200 followed by conjugation to the secondary antibody and DAB staining



Immunohistochemistry (Paraffin-embedded Sections)

Image 3. Formalin-fixed and paraffin embedded mouse small intestine tissue labeled with Anti-Phospho-GCN2 (Thr898) Polyclonal Antibody, Unconjugated at 1:200 followed by conjugation to the secondary antibody and DAB staining

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN684943.