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anti-DNAJC3 antibody (AA 351-450)



Publication



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Quantity:	100 μL
Target:	DNAJC3
Binding Specificity:	AA 351-450
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DNAJC3 antibody is un-conjugated
Application:	ELISA, Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffinembedded Sections) (IF (p)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human p58ipk/DNAJC3
Isotype:	IgG
Cross-Reactivity:	Mouse, Rat
Predicted Reactivity:	Human,Dog,Cow,Pig,Horse
Purification:	Purified by Protein A.

Target Details

Target Details

rarget Details		
Alternative Name:	DNAJC3 (DNAJC3 Products)	
Background:	Synonyms: DNAJC3, Protein Kinase Inhibitor P58, DnaJ homolog subfamily C member 3, HP58	
	Interferon induced, double stranded RNA activated protein kinase inhibitor, P58, p58 ipk,	
	P58IPK, PRKRI, Protein kinase inhibitor of 58 kDa, Protein kinase inhibitor p58.	
	Background: DNAJC3 may act as an inhibitor of both the autophosphorylation of EIF2AK2/PKR	
	and the ability of EIF2AK2/PKR to catalyze phosphorylation of the EIF2A. It also functions as a	
	Co-chaperone of HSPA8/HSC70 and is involved in the unfolded protein response (UPR) during	
	ER stress. It has been reported that this protein stimulates the ATPase activity of	
	HSPA8/HSC70.DNAJC3 is also involved in ativiral defense - it is activated in response to	
	infection by influenza virus through the dissociation of DNAJB1. DNAJC3 is widely expressed	
	and can be found at high levels in the testis and pancreas (expression in cell lines is variable).	
Gene ID:	5611	
UniProt:	Q13217	
Pathways:	ER-Nucleus Signaling	
Application Details		
Application Notes:	ELISA 1:500-1000	
	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	
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be	
	handled by trained staff only.	

Handling

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:	Taguchi, Allende, Mizukami, Cook, Gavrilova, Tuymetova, Clarke, Chen, Olivera, Proia: "
	Sphingosine-1-phosphate Phosphatase 2 Regulates Pancreatic Islet β-Cell Endoplasmic
	Reticulum Stress and Proliferation." in: The Journal of biological chemistry , Vol. 291, Issue 23,
	pp. 12029-38, (2016) (PubMed).