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Datasheet for ABIN2666280 anti-IRF7 antibody

2 Images



Overview

Quantity:	100 µg
Target:	IRF7
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This IRF7 antibody is un-conjugated
Application:	Biochemical Assay (BCA)

Product Details

Clone:	12G9A36
lsotype:	lgG2b kappa
Purification:	Affinity purified

Target Details

Target:	IRF7
Alternative Name:	IRF7 (IRF7 Products)
Background:	IRF-7 is a member of the interferon regulatory transcription factor family that plays key
	regulatory roles in innate immunity. Upon virus infection, IRF-7 forms a complex with MyD88
	and TRAF6 when stimulated by toll-like receptors TLR7, TLR8, and TLR9, which in turn results in
	nuclear translocation and induction of interferon gene expression. IRF-7 gene expression is
	upregulated by the stimulation of interferon through the Jak-STAT signaling pathway, which

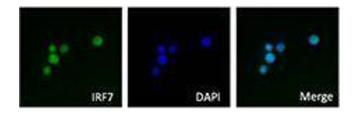
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Target Details

	forms a positive feedback loop. The protein level of IRF-7 after activation is then downregulated
	by the ubiquitin-proteasome system to avoid excessive production of interferons that may
	cause damage to the host. Virus induced type I interferon expression was completely
	abrogated in IRF-7 knockout mice, suggesting that IRF-7 is critical for interferon mediated host
	defense during virus infection.
Pathways:	TLR Signaling, Activation of Innate immune Response, Hepatitis C, Toll-Like Receptors
	Cascades, Autophagy

Application Details		
Application Notes:	Optimal working dilution should be determined by the investigator.	
Restrictions:	For Research Use only	
Handling		
Concentration:	0.5 mg/mL	
Buffer:	phosphate-buffered solution, pH 7.2, containing 0.09 % sodium azide.	
Preservative:	Sodium azide	
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.	
Storage:	4 °C	
Storage Comment:	Upon receipt, store undiluted between 2°C and 8°C.	

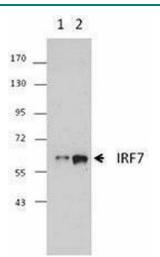
Images



Immunofluorescence

Image 1.

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Western Blotting

Image 2.

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