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anti-IRF3 antibody (AA 51-150)

3 Images



IRF3

Publication



Go to Product page

Overview

Quantity:	100 μL
Target:	IRF3
Binding Specificity:	AA 51-150
Reactivity:	Human, Mouse, Rat, Monkey, Cow
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IRF3 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Target:

Immunogen:	KLH conjugated synthetic peptide derived from human IRF3
Isotype:	IgG
Cross-Reactivity:	Cow, Human, Monkey, Mouse, Rat
Predicted Reactivity:	Dog,Cow,Pig,Horse
Purification:	Purified by Protein A.
Target Details	

Target Details

- Target Details	
Alternative Name:	IRF3 (IRF3 Products)
Background:	Synonyms: Interferon regulatory factor 3, IRF-3, IRF3
	Background: Key transcriptional regulator of type I interferon (IFN)-dependent immune
	responses which plays a critical role in the innate immune response against DNA and RNA
	viruses. Regulates the transcription of type I IFN genes (IFN-alpha and IFN-beta) and IFN-
	stimulated genes (ISG) by binding to an interferon-stimulated response element (ISRE) in their
	promoters. Acts as a more potent activator of the IFN-beta (IFNB) gene than the IFN-alpha
	(IFNA) gene and plays a critical role in both the early and late phases of the IFNA/B gene
	induction. Found in an inactive form in the cytoplasm of uninfected cells and following viral
	infection, double-stranded RNA (dsRNA), or toll-like receptor (TLR) signaling, is phosphorylated
	by IKBKE and TBK1 kinases. This induces a conformational change, leading to its dimerization
	and nuclear localization and association with CREB binding protein (CREBBP) to form dsRNA-
	activated factor 1 (DRAF1), a complex which activates the transcription of the type I IFN and
	ISG genes. Can activate distinct gene expression programs in macrophages and can induce
	significant apoptosis in primary macrophages.
Gene ID:	3661
UniProt:	Q14653
Pathways:	TLR Signaling, Activation of Innate immune Response, Cellular Response to Molecule of
	Bacterial Origin, Hepatitis C, Toll-Like Receptors Cascades
Application Details	
Application Notes:	WB 1:300-5000
	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

Handling

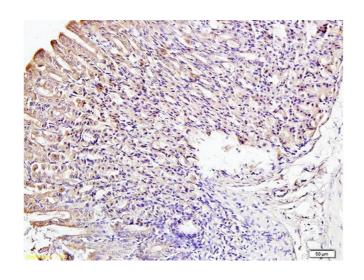
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

Publications

Product cited in:

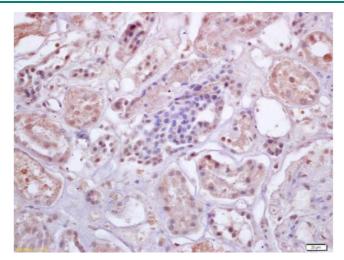
Fan, Li, Zhu, Sui, Chen, Deng, Sui, Wang: "NF-κB is involved in the LPS-mediated proliferation and apoptosis of MAC-T epithelial cells as part of the subacute ruminal acidosis response in cows." in: **Biotechnology letters**, Vol. 38, Issue 11, pp. 1839-1849, (2016) (PubMed).

Images



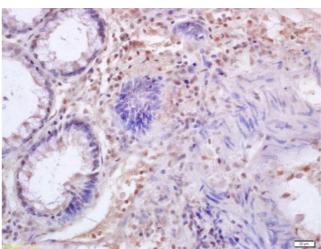
Immunohistochemistry

Image 1. Formalin-fixed and paraffin embedded mouse stomach labeled with Anti-IRF3 Polyclonal Antibody, Unconjugated (ABIN682588) at 1:200 followed by conjugation to the secondary antibody and DAB staining



Immunohistochemistry

Image 2. Formalin-fixed and paraffin embedded human kidney labeled with Anti-IRF3 Polyclonal Antibody, Unconjugated (ABIN682588) at 1:200 followed by conjugation to the secondary antibody and DAB staining



Immunohistochemistry

Image 3. Formalin-fixed and paraffin embedded human colon carcinoma labeled with Anti-IRF3 Polyclonal Antibody, Unconjugated (ABIN682588) at 1:200 followed by conjugation to the secondary antibody and DAB staining