Datasheet for ABIN3031426

anti-IRF9 antibody (AA 75-104)

6 Images

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Overview

Quantity:	0.4 mL
Target:	IRF9
Binding Specificity:	AA 75-104
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IRF9 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	A portion of amino acids 75-104 from the human protein was used as the immunogen for this IRF9 antibody.
Isotype:	Ig Fraction
Purification:	Antigen affinity purified

Target Details

Target:	IRF9
Alternative Name:	IRF9 (IRF9 Products)
Background:	IRF9 is a transcription regulatory factor that mediates signaling by type I IFNs (IFN-alpha and IFN-beta). Following type I IFN binding to cell surface receptors, Jak kinases (TYK2 and JAK1) are activated, leading to tyrosine phosphorylation of STAT1 and STAT2. The phosphorylated

Target Details

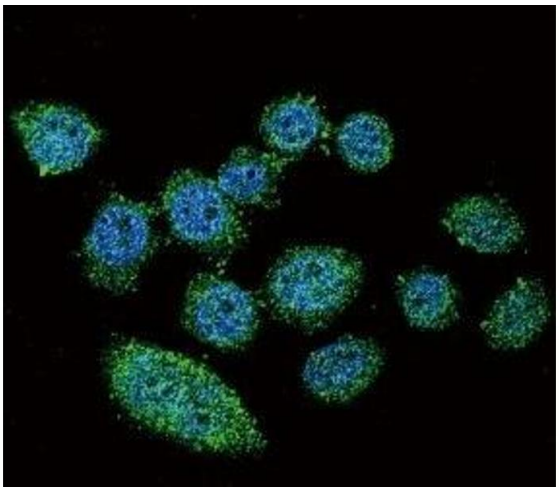
	STATs dimerize, associate with IRF9/ISGF3G to form a complex termed ISGF3 transcription factor, that enters the nucleus. ISGF3 binds to the IFN stimulated response element (ISRE) to activate the transcription of interferon stimulated genes, which drive the cell in an antiviral state.
UniProt:	Q00978
Pathways:	JAK-STAT Signaling, Interferon-gamma Pathway, Hepatitis C

Application Details

Application Notes:	Titration of the IRF9 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 1:1000,IHC (Paraffin): 1:10-1:50,Immunofluorescence: 1:10-1:50
Restrictions:	For Research Use only

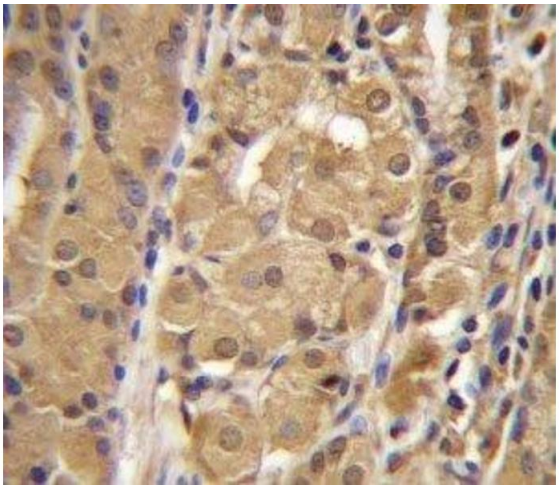
Handling

Format:	Liquid
Buffer:	In 1X PBS, pH 7.4, with 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:	-20 °C
Storage Comment:	Aliquot the IRF9 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.



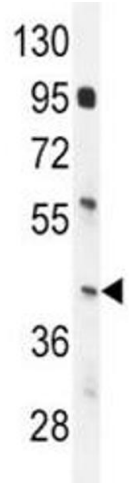
Immunofluorescence

Image 1. Confocal immunofluorescent analysis of IRF9 antibody with HeLa cells followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used as a nuclear counterstain (blue).



Immunohistochemistry

Image 2. IRF9 antibody immunohistochemistry analysis in formalin fixed and paraffin embedded human stomach tissue.



Western Blotting

Image 3. IRF9 antibody western blot analysis in mouse spleen tissue lysate.

Please check the product details page for more images. Overall 6 images are available for ABIN3031426.