Datasheet for ABIN500058

anti-IRF7 antibody (C-Term)

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Overview

Quantity:	0.1 mg
Target:	IRF7
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	IRF7 antibody was raised against a peptide corresponding to 14 amino acids near the carboxy-terminus of human IRF7.
Isotype:	IgG
Specificity:	This antibody reacts to IRF7.
Purification:	Affinity chromatography purified via peptide column

Target Details

Target:	IRF7
Alternative Name:	IRF7 (IRF7 Products)
Background:	Interferons (IFNs) are involved in a multitude of immune interactions during viral infections and play a major role in both the induction and regulation of innate and adaptive antiviral

Target Details

	mechanisms. During infection, host-virus interactions signal downstream molecules such as transcription factors such as IFN regulatory factor-3 (IRF3) which can act to stimulate transcription of IFN-a/b genes. IRF7 has been shown to play a role in the transcriptional activation of virus-inducible cellular genes, including interferon beta chain genes. IRF7 play a major role in the innate immune pathway, interacting with the Toll-like receptor (TLR) adaptor proteins MyD88 and Tirp/TRAM and functioning as an intermediate TLR4 and TLR9 signaling. There are at least four differentially spliced isoforms of IRF7, although their function has not been clearly established.Synonyms: IRF-7, Interferon regulatory factor 7
Gene ID:	3665
UniProt:	Q92985
Pathways:	TLR Signaling, Activation of Innate immune Response, Hepatitis C, Toll-Like Receptors Cascades, Autophagy

Application Details

Application Notes:	ELISA. Western Blot: 1 - 2 µg/mL. Immunohistochemistry. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

Handling

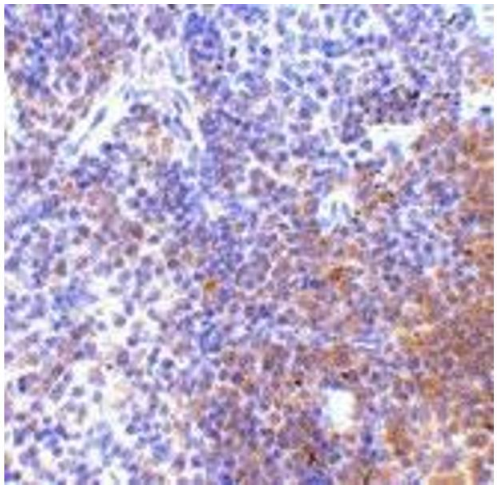
Buffer:	PBS containing 0.02 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C
Storage Comment:	Store the antibody undiluted at 2-8 °C.

Publications

Product cited in:	Scheving, Zhang, Garcia, Wang, Stevenson, Threadgill, Russell: "Epidermal growth factor receptor plays a role in the regulation of liver and plasma lipid levels in adult male mice." in: **American journal of physiology. Gastrointestinal and liver physiology**, Vol. 306, Issue 5, pp. G370-81, (2014) (PubMed).

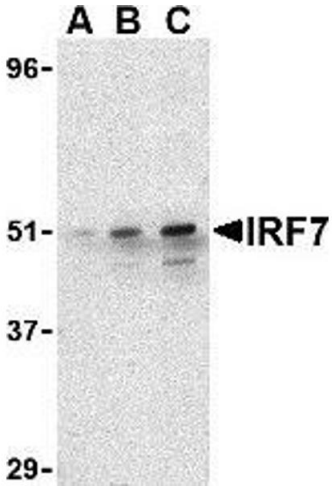
Publications

Images



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry of IRF7 in mouse spleen tissue with IRF7 antibody at 5 µg/ml.



Western Blotting

Image 2. Western blot analysis of IRF7 in 293 whole cell lysate with AP30449PU-N IRF7 antibody at (A) 0.5 and (B) 1 µg/ml.