

Datasheet for ABIN500056

anti-IRF3 antibody (Intermediate Domain)[Go to Product page](#)**2** Images

Overview

Quantity:	0.1 mg
Target:	IRF3
Binding Specificity:	Intermediate Domain
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IRF3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	Human IRF3 (Intermediate Domain) Peptide
Isotype:	IgG
Specificity:	IRF3 antibody antibody was raised against a peptide corresponding to 14 amino acids near the center of human IRF3.
Purification:	Affinity chromatography purified via peptide column

Target Details

Target:	IRF3
Alternative Name:	IRF3 (IRF3 Products)
Background:	Interferons (IFN)s are involved in a multitude of immune interactions during viral infections and

Target Details

play a major role in both the induction and regulation of innate and adaptive antiviral mechanisms (1 for review). 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-alpha/beta genes. IRF3 is present in an inactive form in the cytoplasm of most cells (2). Following viral infection, IRF3 can be activated by IkappaB kinase-epsilon and TANK-binding kinase 1 (TBK1) (3,4), whereupon IRF3 translocates to the nucleus. IRF3 can also be activated by stimulation of toll-like receptor 3 (TLR3) by dsRNA (3,5). IRF3 exists as at least two distinct isoforms. Synonyms: IRF-3, Interferon regulatory factor 3

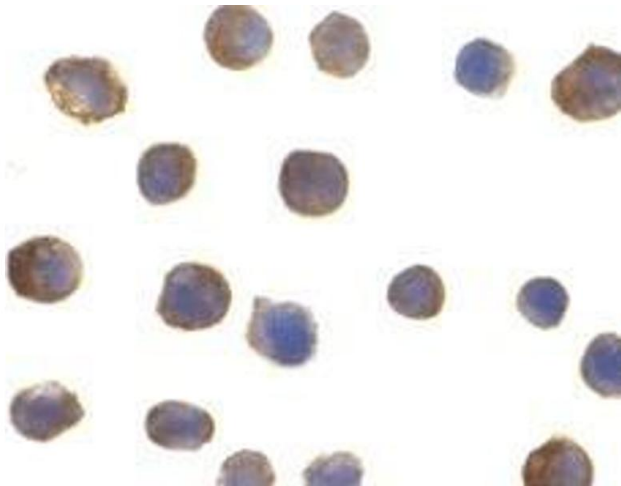
Gene ID:	3661
NCBI Accession:	NP_001562
UniProt:	Q14653
Pathways:	TLR Signaling , Activation of Innate immune Response , Cellular Response to Molecule of Bacterial Origin , Hepatitis C , Toll-Like Receptors Cascades

Application Details

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

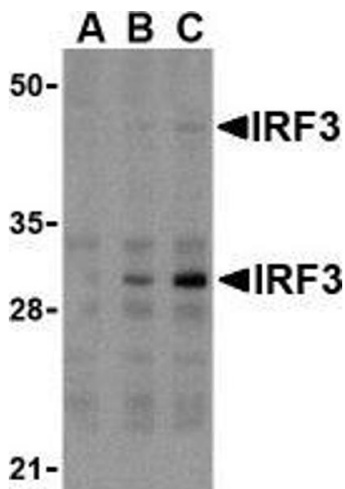
Handling

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.



Immunofluorescence

Image 1. Immunocytochemistry of IRF3 in Ramos cells with AP30448PU-N IRF3 antibody at 2 µg/ml.



Western Blotting

Image 2. Western blot analysis of IRF3 in U937 whole cell lysate with AP30448PU-N IRF3 antibody at (A) 1, (B) 2, and (C) 4 µg/ml.