

DATASHEET

IRF8 Rabbit Polyclonal Antibody

CAT. NO. APA12799

KEY FEATURES

Target	IRF8	Source / Host	Rabbit
Reactivity	Human, Mouse	Clonality	Polyclonal
Applications	WB, IF/ICC	Conjugation	Unconjugated
Form / Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		Storage at -20°C

BACKGROUND

Transcription factor that specifically binds to the upstream regulatory region of type I interferon (IFN) and IFN-inducible MHC class I genes (the interferon consensus sequence (ICS)) and IFN-inducible MHC class I genes (the interferon consensus sequence (ICS)). Can both act as a transcriptional activator or repressor. Plays a negative regulatory role in cells of the immune system. Involved in CD8(+) dendritic cell differentiation by forming a complex with the BATF-JUNB heterodimer in immune cells, leading to recognition of AICE sequence (5'-TGAnTCA/GAAA-3'), an immune-specific regulatory element, followed by cooperative binding of BATF and IRF8 and activation of genes.

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:2000
IF/ICC	1:10 - 1:100

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

Description	Rabbit polyclonal antibody to IRF8
Specificity	Recognizes endogenous levels of IRF8 protein.
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human IRF8
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 48 kD; Observed: 48 kD
Form/Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	ICSBP1; Interferon regulatory factor 8; IRF-8; Interferon consensus sequence-binding protein; H-ICSBP; ICSBP
Gene Symbol	IRF8
Entrez Gene	3394(Human); 15900(Mouse)
SwissProt	Q02556(Human); P23611(Mouse)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

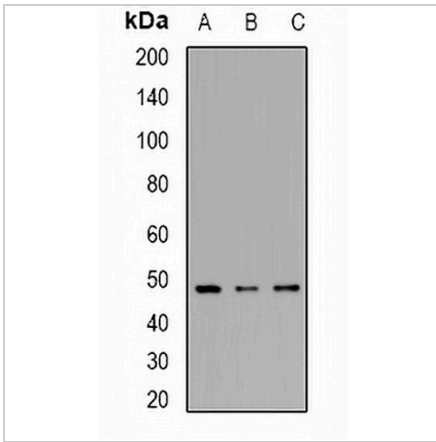
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

DATASHEET

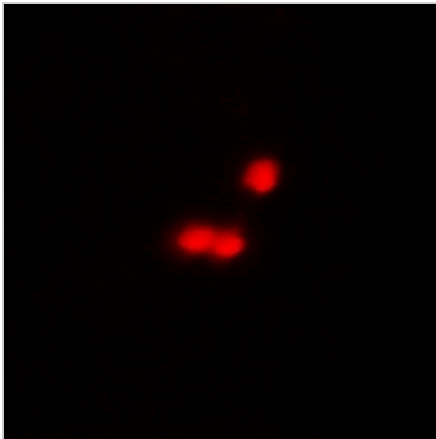
IRF8 Rabbit Polyclonal Antibody

CAT. NO. APA12799

DATA



Western blot analysis of IRF8 expression in HL60 (A), THP1 (B), mouse spleen (C) whole cell lysates. (Predicted band size: 48 kD; Observed band size: 48 kD)



Immunofluorescent analysis of IRF8 staining in A549 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark.

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.