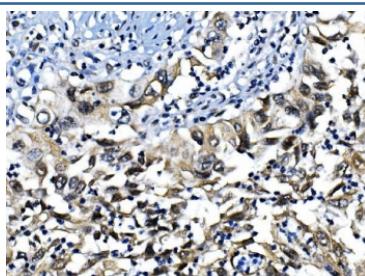


IRF-1 Antibody / Interferon regulatory factor 1 (RQ6056)

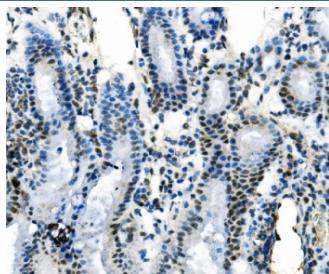
Catalog No.	Formulation	Size
RQ6056	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

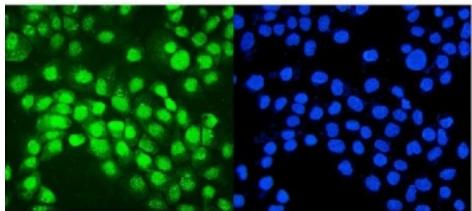
Availability	1-3 business days
Species Reactivity	Human, Mouse
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	P10914
Localization	Nuclear, cytoplasmic
Applications	Western Blot : 0.5-1ug/ml Immunohistochemistry : 1-2ug/ml Flow Cytometry : 1-3ug/million cells Immunofluorescence : 2-4ug/ml Direct ELISA : 0.1-0.5ug/ml
Limitations	This IRF-1 antibody is available for research use only.



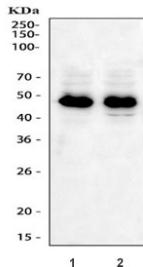
IHC staining of FFPE human lung cancer with IRF-1 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



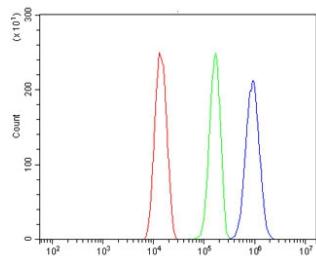
IHC staining of FFPE mouse intestine with IRF-1 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Immunofluorescent staining of FFPE human A431 cells with IRF-1 antibody (green) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



Western blot testing of human 1) A431 and 2) HaCaT cell lysate with IRF-1 antibody. Expected molecular weight: ~37 kDa (unmodified), 45-50 kDa (modified).



Flow cytometry testing of human HeLa cells with IRF-1 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= IRF-1 antibody.

Description

Interferon regulatory factor 1, also known as MAR is a protein that in humans is encoded by the IRF1 gene. The IRF1 gene is mapped to chromosome 5q31.1 by pulsed-field gel electrophoresis. IRF1 encodes interferon regulatory factor 1, a member of the interferon regulatory transcription factor (IRF) family. IRF1 serves as an activator of interferons alpha and beta transcription, and in mouse it has been shown to be required for double-stranded RNA induction of these genes. IRF1 also functions as a transcription activator of genes induced by interferons alpha, beta, and gamma. Further, IRF1 has been shown to play roles in regulating apoptosis and tumor-suppression.

Application Notes

Optimal dilution of the IRF-1 antibody should be determined by the researcher.

Immunogen

Recombinant human protein (amino acids M170-L315) was used as the immunogen for the IRF-1 antibody.

Storage

After reconstitution, the IRF-1 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.

