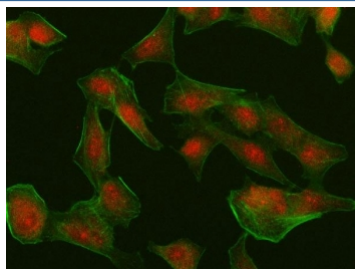


Interferon regulatory factor 4 Antibody / IRF4 / MUM1 (RQ8689)

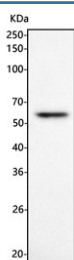
Catalog No.	Formulation	Size
RQ8689	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 days
Species Reactivity	Human
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity chromatography
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q15306
Localization	Nuclear
Applications	Western Blot : 1-2ug/ml Immunofluorescence : 5ug/ml ELISA : 0.1-0.5ug/ml
Limitations	This Interferon regulatory factor 4 antibody is available for research use only.



Immunofluorescent staining of FFPE human A549 cells with Interferon regulatory factor 4 antibody (red) and Phalloidin-iFluor 488 (green). HIER: steam section in pH6 citrate buffer for 20 min.



Western blot testing of human Hut-78 cell lysate with Interferon regulatory factor 4 antibody. Predicted molecular weight ~51 kDa.

Description

Interferon regulatory factor 4 (IRF4), also known as Multiple myeloma oncogene 1 (MUM1), is a protein that in humans is encoded by the IRF4 gene. It is located on 6p25.3. IRF4 is a transcription factor, and it is essential for the development of T helper-2 (Th2) cells, IL17 -producing Th17 cells, and IL9 -producing Th9 cells. In melanocytic cells, the IRF4 gene may be regulated by MITF. IRF4 is a transcription factor that has been implicated in acute leukemia. This gene is strongly associated with pigmentation, sensitivity of skin to sun exposure, freckles, blue eyes, and brown hair color. What's more, IRF4 inhibition is toxic to myeloma cell lines, regardless of transforming oncogenic mechanism.

Application Notes

Optimal dilution of the Interferon regulatory factor 4 antibody should be determined by the researcher.

Immunogen

An E.coli-derived human recombinant protein (amino acids A163-Q419) was used as the immunogen for the Interferon regulatory factor 4 antibody.

Storage

After reconstitution, the Interferon regulatory factor 4 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.