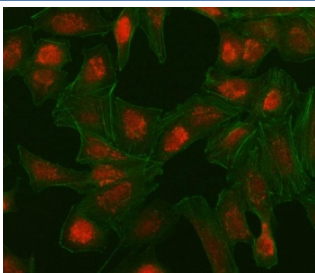


Interferon regulatory factor 5 Antibody / IRF5 (RQ8687)

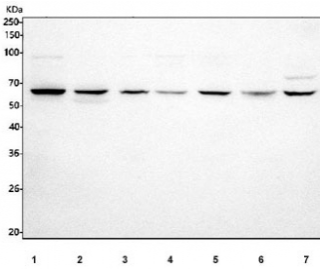
Catalog No.	Formulation	Size
RQ8687	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

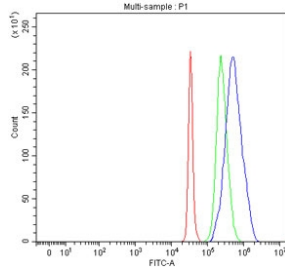
Availability	1-3 days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity chromatography
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q13568
Localization	Nuclear, cytoplasmic
Applications	Western Blot : 1-2ug/ml Immunofluorescence : 5ug/ml Flow Cytometry : 1-3ug/million cells ELISA : 0.1-0.5ug/ml
Limitations	This Interferon regulatory factor 5 antibody is available for research use only.



Immunofluorescent staining of FFPE human A549 cells with Interferon regulatory factor 5 antibody (red) and Phalloidin-AF488 (green). HIER: steam section in pH6 citrate buffer for 20 min.



Western blot testing of 1) human HeLa, 2) human A549, 3) human SH-SY5Y, 4) rat PC-12, 5) rat C6, 6) mouse RAW264.7 and 7) mouse NIH 3T3 cell lysate with Interferon regulatory factor 5 antibody. Predicted molecular weight ~57 kDa.



Flow cytometry testing of fixed and permeabilized human SH-SY5Y cells with Interferon regulatory factor 5 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= Interferon regulatory factor 5 antibody.

Description

Interferon regulatory factor 5, also called IRF5 or SLEB10, is a protein that in humans is encoded by the IRF5 gene. IRF5 gene is mapped to 7q32.1. This gene encodes a member of the interferon regulatory factor (IRF) family, a group of transcription factors with diverse roles, including virus-mediated activation of interferon, and modulation of cell growth, differentiation, apoptosis, and immune system activity. Members of the IRF family are characterized by a conserved N-terminal DNA-binding domain containing tryptophan (W) repeats. Multiple transcript variants encoding different isoforms have been found for this gene, and a 30-nt indel polymorphism (SNP rs60344245) can result in loss of a 10-aa segment. This gene is a transcription factor involved in the induction of interferons IFNA and INFB and inflammatory cytokines upon virus infection.

Application Notes

Optimal dilution of the Interferon regulatory factor 5 antibody should be determined by the researcher.

Immunogen

An E.coli-derived human recombinant protein (amino acids R98-A477) was used as the immunogen for the Interferon regulatory factor 5 antibody.

Storage

After reconstitution, the Interferon regulatory factor 5 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.