Product datasheet

Anti-IRF3 Antibody

Catalog Number: *A00165-6*

BOSTER
antibody and ELISA experts
BOSTER BIOLOGICAL TECHNOLOGY
Building C21, 3rd to 5th Floors, Optics Valley Biopharmaceutical Accelerator,
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Basic Information

Product Name	Anti-IRF3 Antibody
Gene Name	IRF3
Source	Rabbit
Clonality	Polyclonal
Isotype	IgG
Species Reactivity	human, mouse
Tested Application	WB, IHC, ICC/IF, FCM, ELISA
Contents	500 ug/ml antibody with PBS, 0.02% NaN3, 1 mg/ml BSA and 50% glycerol.
Immunogen	E.coli-derived human IRF3 recombinant protein (Position: M1-S427).
Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	50-55 kDa
Dilution Ratios	Western blot (WB): 1:500-2000 Immunohistochemistry (IHC): 1:50-400 Immunocytochemistry/Immunofluorescence (ICC/IF): 1:50-400 Flow Cytometry (Fixed): 1:50-200 Enzyme linked immunosorbent assay (ELISA): 1:100-1000 (Boiling the paraffin sections in 10mM citrate buffer,pH6.0,or PH8.0 EDTA repair liquid for 20 mins is required for the staining of formalin/paraffin sections.) Optimal working dilutions must be determined by end user.

Storage

12 months from date of receipt，-20℃ as supplied.

Background Information

IRF3(interferon regulatory factor 3)?is a member of the interferon regulatory transcription factor(IRF) family. The IRF3 gene is mapped on 19q13.33. IRF3 is found in an inactive cytoplasmic form that upon serine/threonine phosphorylation forms a complex with?CREBBP. IRF3 plays an important role in the?innate immune system's response to?viral infection. Aggregated?MAVS?have been found to activate IRF3 dimerization. Although?IRF3?increased transcriptional activity from an ISRE-containing promoter, expression of?IRF3?as a Gal4 fusion protein did not activate expression of a chloramphenicol acetyltransferase(CAT) reporter gene containing repeats of the Gal4-binding sites.?Translocation

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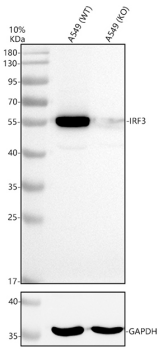
of?IRF3?was accompanied by an increase in serine and threonine phosphorylation.?The transcriptional activators CREBBP and EP300 coimmunoprecipitated with?IRF3?only subsequent to viral infection, and the authors stated that these are also subunits of DRAF1.

Reference

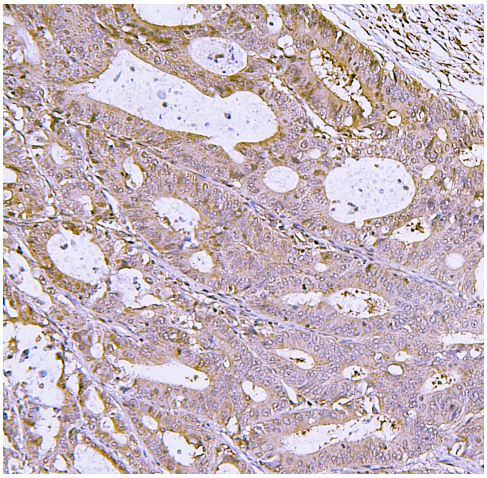
Anti-IRF3 Antibody被引用在2文献中。

Selected Validation Data



A549-IRF3 KO Cell Cat. No. **YKO-H1046**
Primary antibody: anti-IRF3 (Boster, Cat. No. **A00165-6**)
Loading control antibody: anti-GAPDH (Boster, Cat. No. **A00227-1**)

Western blot analysis of IRF3 using anti-IRF3 antibody (A00165-6). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.
Lane 1: human A549- WT whole cell lysates,
Lane 2: human A549-IRF3 KO whole cell lysates.
After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-IRF3 antigen affinity purified polyclonal antibody (A00165-6) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for IRF3 at approximately 50-55 kDa. The expected band size for IRF3 is at 47 kDa.



IHC analysis of IRF3 using anti-IRF3 antibody (A00165-6).
IRF3 was detected in a paraffin-embedded section of human rectal cancer tissue. Biotinylated goat anti-rabbit IgG was used as secondary antibody. The tissue section was incubated with rabbit anti-IRF3 Antibody (A00165-6) at a dilution of 1:200 and developed using Strepavidin-Biotin-Complex (SABC) (Catalog # SA1022) with DAB (Catalog # AR1027) as the chromogen.

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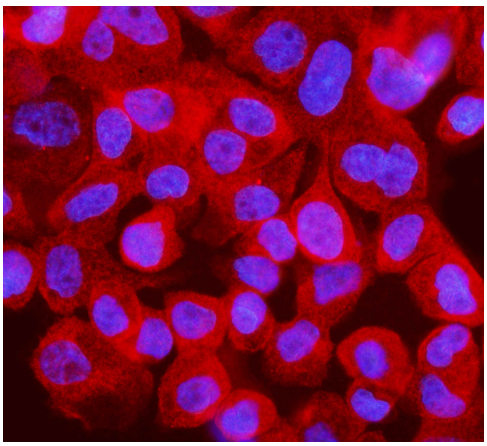
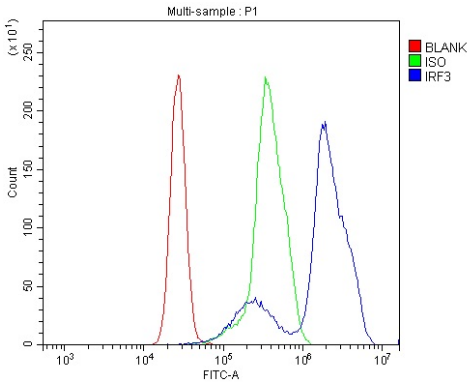


ICC/IF analysis of IRF3 using anti-IRF3 antibody (A00165-6).
IRF3 was detected in an immunocytochemical section of A431 cells. The section was incubated with rabbit anti-IRF3 Antibody (A00165-6) at a dilution of 1:100. Fluoro594-conjugated Anti-rabbit IgG Secondary Antibody (red)(Catalog#BA1142) was used as secondary antibody. The section was counterstained with DAPI (Catalog # AR1176) (Blue).



Flow Cytometry analysis of K562 cells using anti-IRF3 antibody (A00165-6).
Overlay histogram showing K562 cells stained with A00165-6 (Blue line). To facilitate intracellular staining, cells were fixed with 4% paraformaldehyde and permeabilized with permeabilization buffer. The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-IRF3 Antibody (A00165-6) at 1:100 dilution for 30 min at 20°C. Fluoro488 conjugated goat anti-rabbit IgG (BA1127) was used as secondary antibody at 1:100 dilution for 30 minutes at 20°C. Isotype control antibody (Green line) was rabbit IgG at 1:100 dilution used under the same conditions. Unlabelled sample without incubation with primary antibody and secondary antibody (Red line) was used as a blank control.