

Product Datasheet

Phospho-IRF3 (S386) Antibody



Catalog No: CY6575

Reactivity: Human

Isotype: Rabbit IgG

Applications: WB ICC/IF

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Information

UniProt ID: Q14653

All Names: IRF3; Interferon regulatory factor 3;

Form: Liquid

Storage instructions: Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Storage buffer: pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Purity: Affinity-chromatography

Immunogen: A synthesized peptide

Molecular Wt.: 47 kDa

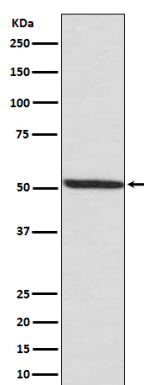
Application

WB: 1:1000~1:2000

ICC/IF: 1:50~1:200

Background

Mediates interferon-stimulated response element (ISRE) promoter activation. Functions as a molecular switch for antiviral activity. DsRNA generated during the course of a viral infection leads to IRF3 phosphorylation on the C-terminal serine/threonine cluster. This induces a conformational change, leading to its dimerization, nuclear localization and association with CREB binding protein (CREBBP) to form dsRNA-activated factor 1 (DRAF1), a complex which activates the transcription of genes under the control of ISRE. The complex binds to the IE and PRDIII regions on the IFN-alpha and IFN-beta promoters respectively. IRF-3 does not have any transcription activation domains.



Western blot analysis of Phospho-IRF3 (S386) expression in MCF7 cell lysate.

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