

## Product datasheet for **CF809316**

### IRF3 Mouse Monoclonal Antibody [Clone ID: OTI8G9]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI8G9
Applications:	IF, WB
Recommended Dilution:	WB 1:500
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human recombinant protein fragment corresponding to amino acids 27-169 of human IRF3 (NP_001184053) produced in E.coli.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	interferon regulatory factor 3
Database Link:	<a href="#">NP_001184053</a> <a href="#">Entrez Gene 3661 Human</a> <a href="#">Q14653</a>



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**Background:**

This gene encodes a member of the interferon regulatory transcription factor (IRF) family. The encoded protein is found in an inactive cytoplasmic form that upon serine/threonine phosphorylation forms a complex with CREBBP. This complex translocates to the nucleus and activates the transcription of interferons alpha and beta, as well as other interferon-induced genes. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Nov 2011]

**Synonyms:**

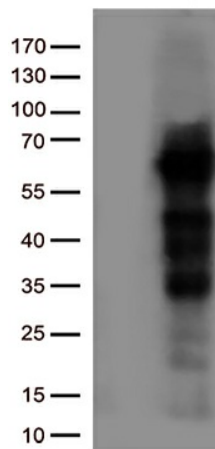
IIAE7

**Protein Families:**

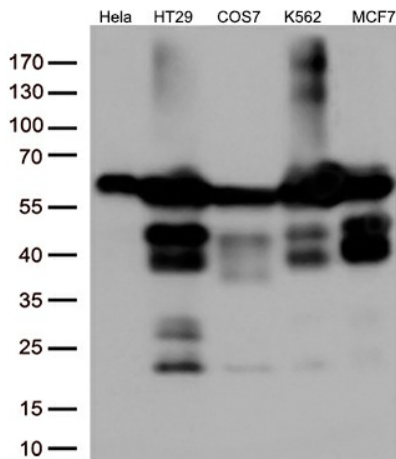
Druggable Genome, Transcription Factors

**Protein Pathways:**

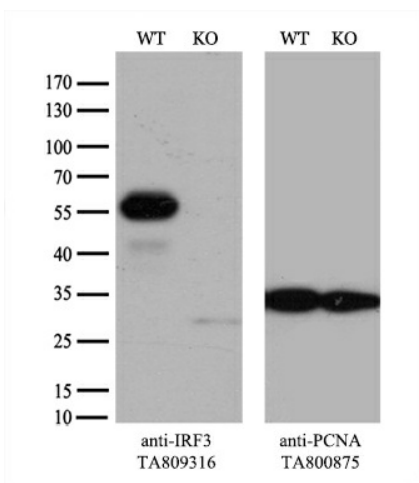
Cytosolic DNA-sensing pathway, RIG-I-like receptor signaling pathway, Toll-like receptor signaling pathway

**Product images:**


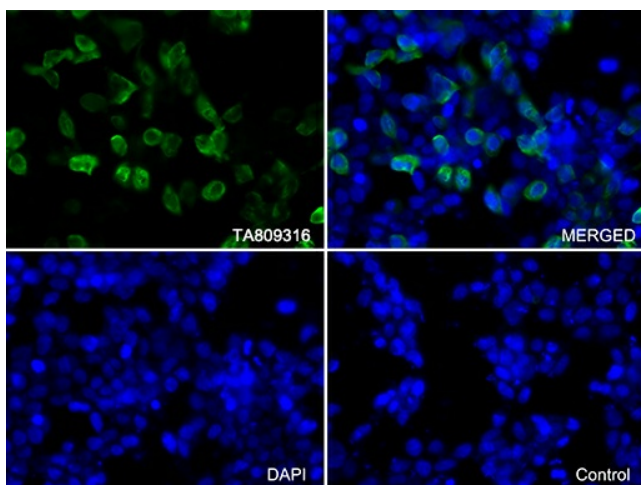
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY IRF3 ([RC209951], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-IRF3 (1:500).



Western blot analysis of extracts (35ug) from 5 different cell lines and human plasma by using anti-IRF3 monoclonal antibody (1:500).



Equivalent amounts of cell lysates (10 ug per lane) of wild-type HeLa cells (WT, Cat# LC810HELA) and IRF3-Knockout HeLa cells (KO, Cat# [LC833375] ) were separated by SDS-PAGE and immunoblotted with anti-IRF3 monoclonal antibody [TA809316] (1:2000 `). Then the blotted membrane was stripped and reprobed with anti-PCNA antibody as a loading control.



Immunofluorescent staining of 293T cells transfected by pCMV6-ENTRY IRF3 ([RC209951]) using anti-IRF3 antibody ([TA809316]/green, upper left; DAPI/blue, lower left; MERGED, upper right). 293T cells transfected with empty vector served as a negative control (MERGED, lower right) (1:100).