



## Anti-IRF3 polyclonal antibody (CPBT-67451RH)

This product is for research use only and is not intended for diagnostic use.

### PRODUCT INFORMATION

#### Product Overview

This product recognises Human Interferon Regulatory Factor 3 (IRF3), a member of the interferon regulatory transcription family. IRF3 exists as an inactive cytoplasmic form. dsRNA generated during viral infection leads to the phosphorylation of serine/threonine on the C-terminal. Phosphorylation results in dimerization of IRF3 and association with CREB binding protein. The resulting complex translocates to nucleus and activates the transcription of IFN-alpha and IFN-beta.

<b>Specificity</b>	IRF3
<b>Immunogen</b>	Synthetic peptide corresponding to a 14 amino acid sequence near the centre of human IRF3.
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	IHC-P; WB
<b>Format</b>	Purified IgG - liquid
<b>Size</b>	50 µg
<b>Preservative</b>	0.02% Sodium Azide
<b>Storage</b>	in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

### GENE INFORMATION

<b>Gene Name</b>	<a href="#">IRF3 interferon regulatory factor 3 [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	IRF3
<b>Synonyms</b>	IRF3; interferon regulatory factor 3;
<b>Entrez Gene ID</b>	<a href="#">3661</a>
<b>Protein Refseq</b>	<a href="#">NP_001184051</a>
<b>UniProt ID</b>	Q14653
<b>Chromosome Location</b>	19q13.3-q13.4
<b>Pathway</b>	Activated TLR4 signalling; Activation of IRF3/IRF7 mediated by TBK1/IKK epsilon; Antiviral mechanism by IFN-stimulated genes; Apoptosis; Cytokine Signaling in Immune system; Cytosolic DNA-sensing pathway; Cytosolic sensors of pathogen-associated DNA; Epstein-Barr virus infection;
<b>Function</b>	DNA binding; identical protein binding; protein binding; protein homodimerization activity; sequence-specific DNA binding transcription factor activity; transcription cofactor activity; transcription regulatory region DNA binding;