IRF-7 (Phospho Ser471/472) Rabbit pAb

CatalogNo: YP1365

Key Features

Host Species	Reactivity	Applications
• Rabbit	• Human,Mouse,Rat	• WB,IHC

MW	Isotype
• 55kD (Observed)	• IgG

Storage

Storage*	-15°C to -25°C/1 year(Do not lower than -25°C)
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Recommended Dilution Ratios

WB 1:500-2000
IHC 1:50-300

Basic Information

Clonality	Polyclonal

Immunogen Information

Immunogen	Synthesized phosho peptide around human IRF-7 (Ser471/472)
Specificity	This antibody detects endogenous levels of IRF-7 only when phosphorylated at Ser471/472..The name of modified sites may be influenced by many factors, such as species (the modified site was not originally found in human samples) and the change of protein sequence (the previous protein sequence is incomplete, and the protein sequence may be prolonged with the development of protein sequencing technology). When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports. The antibody binds to the following modification sequence (lowercase letters are modification sites):GVssLD

Target Information

Gene name IRF7

Protein Name Interferon regulatory factor 7

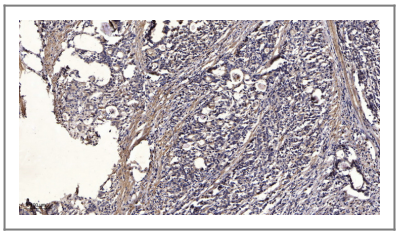
Organism	Gene ID	UniProt ID
Human	3665;	Q92985;
Mouse	54123;	P70434;

Cellular Localization Nucleus. Cytoplasm. The phosphorylated and active form accumulates selectively in the nucleus.

Tissue specificity Expressed predominantly in spleen, thymus and peripheral blood leukocytes.

Function Function:Transcriptional activator. Binds to the interferon-stimulated response element (ISRE) in IFN promoters and in the Q promoter (Qp) of EBV nuclear antigen 1 (EBNA1). Functions as a molecular switch for antiviral activity. Activated by phosphorylation in response to infection. Activation leads to nuclear retention, DNA binding, and derepression of transactivation ability.,induction:By type I interferons.,PTM:In response to a viral infection, phosphorylated on the C-terminal serine cluster. Phosphorylation, and subsequent activation is inhibited by vaccinia virus protein E3.,similarity:Belongs to the IRF family.,similarity:Contains 1 tryptophan pentad repeat DNA-binding domain.,subcellular location:The phosphorylated and active form accumulates selectively in the nucleus.,subunit:Homodimer; phosphorylation-induced. Interacts with TICAM1 and TICAM2. Interacts with rotavirus A NSP1; this interaction leads to the proteasome-dependent degradation of IRF7. Interacts with Epstein-Barr virus LF2.,tissue specificity:Expressed predominantly in spleen, thymus and peripheral blood leukocytes.,

Validation Data



Immunohistochemical analysis of paraffin-embedded human Gastric adenocarcinoma. 1, Antibody was diluted at 1:200 (4℃ overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200 (room temperature, 45min).

Contact information

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Please scan the QR code to access additional product information: **IRF-7 (Phospho Ser471/472) Rabbit pAb**