

## CHOP (Phospho Ser30) Rabbit pAb

CatalogNo: YP0915 **Orthogonal Validated** 

### Key Features

#### Host Species

- Rabbit

#### Reactivity

- Human, Mouse

#### Applications

- WB, IHC, IF, ELISA

#### MW

- 19kD (Observed)

#### Isotype

- 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 1:500-1:2000**

**IHC 1:100-1:300**

**IF 1:200-1:1000**

**ELISA 1:20000**

**Not yet tested in other applications.**

### Basic Information

**Clonality** Polyclonal

### Immunogen Information

**Immunogen** The antiserum was produced against synthesized peptide derived from human CHOP around the phosphorylation site of Ser30. AA range:15-64

## Specificity

Phospho-CHOP (S30) Polyclonal Antibody detects endogenous levels of CHOP protein only when phosphorylated at S30. 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 When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports.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):VLS<sub>SD</sub>

## Target Information

**Gene name** DDIT3

**Protein Name** DNA damage-inducible transcript 3 protein

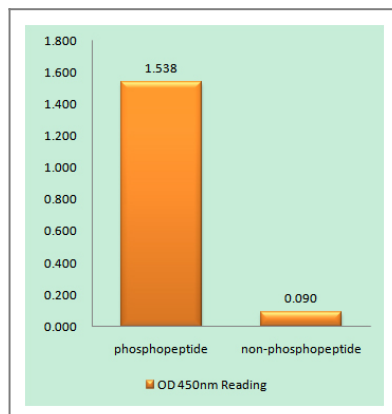
Organism	Gene ID	UniProt ID
Human	<a href="#">1649;</a>	<a href="#">P35638;</a>
Mouse	<a href="#">13198;</a>	<a href="#">P35639;</a>

**Cellular Localization** Cytoplasm . Nucleus . Present in the cytoplasm under non-stressed conditions and ER stress leads to its nuclear accumulation. .

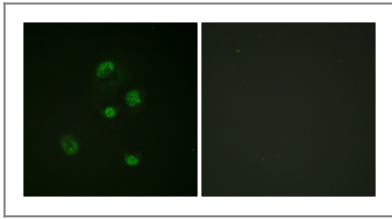
**Tissue specificity** Muscle ,Skeletal muscle ,

**Function** Disease:A chromosomal aberration involving DDIT3 is found in a form of malignant myxoid liposarcoma [MIM:126337]. Translocation t (12;16) (q13;p11) with FUS. ,Function:Inhibits the DNA-binding activity of C/EBP and LAP by forming heterodimers that cannot bind DNA. ,similarity:Belongs to the bZIP family. ,similarity:Contains 1 bZIP domain. ,subunit:Heterodimer. ,

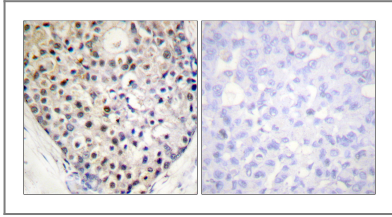
## Validation Data



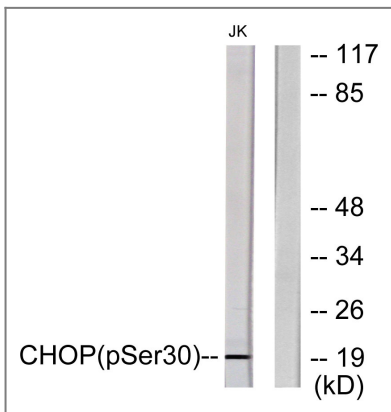
Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using CHOP (Phospho-Ser30) Antibody



Immunofluorescence analysis of A549 cells, using CHOP (Phospho-Ser30) Antibody. The picture on the right is blocked with the phospho peptide.



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma, using CHOP (Phospho-Ser30) Antibody. The picture on the right is blocked with the phospho peptide.



Western blot analysis of lysates from Jurkat cells treated with PMA 125ng/ml 30', using CHOP (Phospho-Ser30) Antibody. The lane on the right is blocked with the phospho peptide.

## Contact information

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Please scan the QR code to access additional product information:  
**CHOP (Phospho Ser30) Rabbit pAb**

For Research Use Only. Not for Use in Diagnostic Procedures.

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