

## JDP2 (Phospho Thr148) Rabbit pAb

CatalogNo: YP1099

### Key Features

#### Host Species

- Rabbit

#### Reactivity

- Human, Mouse, Rat

#### Applications

- IHC, IF, ELISA

#### MW

- 19kD (Calculated)

#### 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

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

**ELISA 1:5000**

**IF 1:50-200**

### Basic Information

**Clonality** Polyclonal

### Immunogen Information

**Immunogen** The antiserum was produced against synthesized peptide derived from human JDP-2 around the phosphorylation site of Thr148. AA range:114-163

**Specificity** Phospho-JDP2 (T148) Polyclonal Antibody detects endogenous levels of JDP2 protein only when phosphorylated at T148. 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 When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports.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):VKtPE

## Target Information

**Gene name** JDP2

**Protein Name** Jun dimerization protein 2

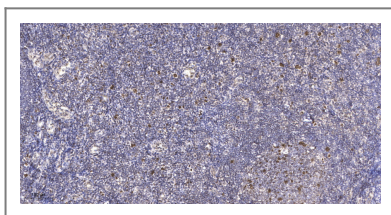
Organism	Gene ID	UniProt ID
Human	<a href="#">122953</a> ;	<a href="#">Q8WYK2</a> ;
Mouse	<a href="#">81703</a> ;	<a href="#">P97875</a> ;
Rat	<a href="#">116674</a> ;	<a href="#">Q78E65</a> ;

**Cellular Localization** Nucleus .

**Tissue specificity** Colon,

**Function** Function:Component of the AP-1 transcription factor that represses transactivation mediated by the Jun family of proteins. Involved in a variety of transcriptional responses associated with AP-1 such as UV-induced apoptosis, cell differentiation, tumorigenesis and antitumogeneris. Can also function as a repressor by recruiting histone deacetylase 3/HDAC3 to the promoter region of JUN. May control transcription via direct regulation of the modification of histones and the assembly of chromatin.,PTM:Phosphorylation of Thr-148 by MAPK8 in response to different stress conditions such as, UV irradiation, oxidatives stress and anisomycin treatments.,similarity:Belongs to the bZIP family. ATF subfamily.,similarity:Contains 1 bZIP domain.,subunit:Forms homodimer or heterodimer with JUN, JUNB, JUND, CEBPG and ATF2 thereby inhibiting transactivation by JUN, ATF2 and CEBPG (By similarity). Binds multiple DNA elements such as cAMP-response element (CRE) and TPA response element (TRE) either as homodimer or heterodimer.,

## Validation Data



Immunohistochemical analysis of paraffin-embedded human tonsil. 1, Antibody was diluted at 1:200 (4°C 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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