c-Jun (Phospho Ser63) (PT0608R) PT™ Rabbit mAb

CatalogNo: YM8436 Recombinant

Key Features

Host Species
- Rabbit

Reactivity
- Human,Mouse,Rat

Applications
- WB,IHC,IF,ELISA

MW
- 36kD (Calculated)

48kD (Observed)

Isotype
- IgG, Kappa

Storage

Storage*	-15°C to -25°C/1 year (Do not lower than -25°C)
Formulation	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA

Recommended Dilution Ratios

IHC 1:100-1:500
WB 1:2000-1:10000
IF 1:200-1:1000
ELISA 1:5000-1:20000

Basic Information

Clonality	Monoclonal
Clone Number	PT0608R

Immunogen Information

Immunogen	The specific immunogen used to produce this antibody is proprietary information.

Specificity	Phospho-AP-1 (S63) Antibody detects endogenous levels of AP-1 protein only when phosphorylated at S63.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 When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports.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):LTsPD

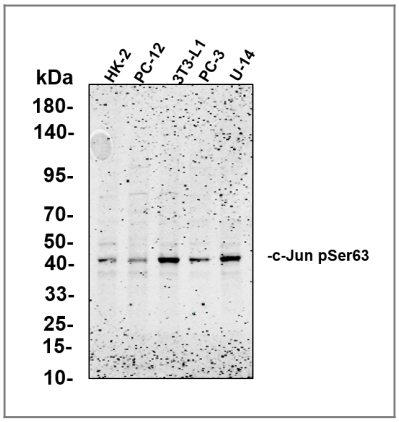
Target Information

Gene name	JUN
Protein Name	Transcription factor AP-1;jun;c-jun；AP-1

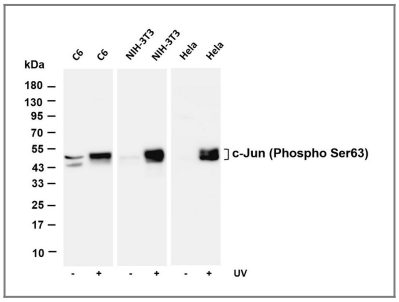
Organism	Gene ID	UniProt ID
Human	3725;	P05412;
Mouse	16476;	P05627;
Rat	24516;	P17325;

Cellular Localization	Nucleus.
Tissue specificity	Expressed in the developing and adult prostate and prostate cancer cells.
Function	Function:Transcription factor that recognizes and binds to the enhancer heptamer motif 5'-TGA[CG]TCA-3'. ,PTM:Phosphorylation enhances the transcriptional activity. Phosphorylated by PRKDC. ,similarity:Belongs to the bZIP family. ,similarity:Belongs to the bZIP family. Jun subfamily. ,similarity:Contains 1 bZIP domain. ,subunit:Heterodimer with either FOS or BATF3. Interacts with HIVEP3 (By similarity) . Interacts with SMAD3/SMAD4 heterodimers. Interacts with MYBBP1A , SPIB and TCF20. Interacts with COPS5; indirectly leading to its phosphorylation. Interacts with DSIPI; this interaction inhibits the binding of active AP1 to its target DNA. ,

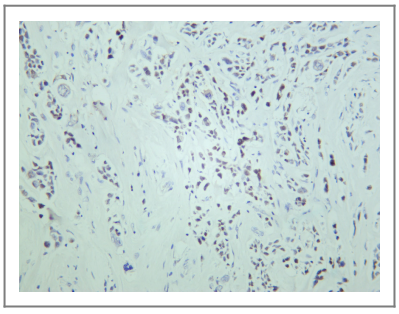
Validation Data



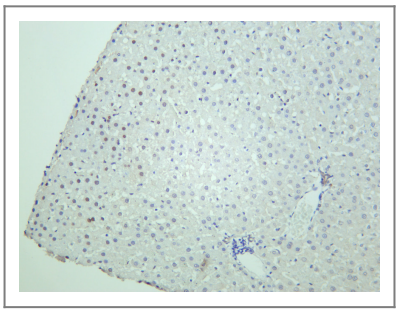
Various whole cell lysates were separated by 4-20% SDS-PAGE, and the primary antibody was used at 4℃ over night with a 1:5000 dilution . The Dilight 800-conjugated Goat anti-Rabbit antibody (Cat:RS23920) was used to detect the antibody. Lane9: HK-2 - Human proximal tubular epithelial Lane10: PC-12 - Rat adrenal pheochromocytoma Lane11: 3T3-L1 - Mouse embryonic fibroblast Lane12: PC-3 - Human prostate adenocarcinoma Lane13: U-14 - Mouse cervical carcinoma Predicted band size:48kDa Observed band size: 48kDa



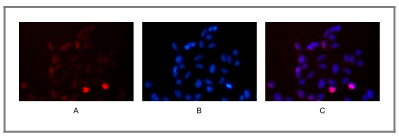
Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-c-Jun (Phospho Ser63) antibody. The HRP-conjugated Goat anti-Rabbit IgG (H + L) antibody was used to detect the antibody. Lane 1: C6 Lane 2: C6 was treated with UV for 4 hours Lane 3: NIH-3T3 Lane 4: NIH-3T3 was treated with UV for 30 minutes then recover 30 minutes Lane 5: Hela Lane 6: Hela was treated with UV for 2 hours Predicted band size: 36kDa Observed band size: 48kDa



Human breast was stained with anti-c-Jun (Phospho Ser63) rabbit antibody



Rat liver was stained with anti-c-Jun (Phospho Ser63) rabbit antibody



Immunofluorescence analysis of HEK293. Picture A: c-Jun (Phospho Ser63) antibody (red). Picture B: DAPI (blue). Picture C: Merge of A+B

Contact information

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Please scan the QR code to access additional product information: **c-Jun (Phospho Ser63) (PT0608R) PT™ Rabbit mAb**