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Built Around Immunology

# Anti-c-Jun (phospho Ser63) Rabbit mAb [17E80]

**Catalog No.: A52080**

## Basic Information

| | |
|---|---|
| Catalog No. (Cat.No.) | A52080 |
| Host species | Rabbit |
| Reactivity | Human,Mouse,Rat |
| Applications | WB,IHC,IF,ELISA |
| Synonyms | c-Jun (phospho Ser63),p-c-Jun(Ser63),c-Jun,p39,v-jun |

## Product Information

| | |
|---|---|
| Target | c-Jun (phospho Ser63) |
| Molecular Weight(Calculated) | 36 kDa |
| Molecular Weight(Observed) | 48 kDa |
| Isotype | IgG,Kappa |
| Conjugation | NA |
| Concentration | 0.2 mg/ml |
| Clonality | Monoclonal |
| Clone No. | 17E80 |
| RRID | NA |
| Storage buffer | 50% Glycerol, 0.05% BSA and 0.05% preservative in PBS (pH 7.2-7.4) |
| Storage | Stored at -20°C for 1 year. Avoid repeated freeze / thaw cycles. |
| Shipped at conditions | Frozen |
| Form | Liquid |

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## Product Usage Information

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

## Target Information

| | |
|---|---|
| Protein Name | c-Jun (phospho Ser63) |
| Gene Name | *JUN* |
| Domain | NA |
| Background | c-Jun (Phospho-Ser63) belongs to AP-1 transcription-factor family and executes stress-triggered transcriptional activation. Ser63 is a critical N-terminal phosphorylation site mainly modified by JNK kinase. Under resting conditions, c-Jun Ser63 phosphorylation remains low. Upon JNK-pathway activation triggered by cytokines, DNA damage or oxidative stress, nuclear-translocated JNK catalyzes Ser63 phosphorylation to markedly boost c-Jun trans-activation capacity, driving pro-inflammatory and pro-proliferative gene programs for stress response, apoptosis and malignant transformation. Phospho-Ser63 level directly reports JNK-c-Jun cascade activity and is widely measured for MAPK/JNK pathway evaluation in inflammatory and oncogenic-signaling researches. |