

## MNK2 (Phospho Thr244) Rabbit pAb

CatalogNo: YP1705

### Key Features

#### Host Species

- Rabbit

#### Reactivity

- Human, Mouse, Rat

#### Applications

- WB

#### MW

- 51kD (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

**WB 1:500-2000**

### Basic Information

**Clonality** Polyclonal

### Immunogen Information

**Immunogen** Synthesized peptide derived from human MNK2 (Phospho-Thr244)

**Specificity** This antibody detects endogenous levels of MNK2 (Phospho-Thr244) at Human, Mouse, Rat. 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 When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports.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): IStPE

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## | Target Information

**Gene name** MKNK2 GPRK7 MNK2

**Protein Name** MAP kinase-interacting serine/threonine-protein kinase 2

| Organism | Gene ID                  | UniProt ID               |
|----------|--------------------------|--------------------------|
| Human    | <a href="#">2872</a> ;   | <a href="#">Q9HBH9</a> ; |
| Mouse    | <a href="#">17347</a> ;  | <a href="#">Q8CDB0</a> ; |
| Rat      | <a href="#">299618</a> ; | <a href="#">Q5U2N4</a> ; |

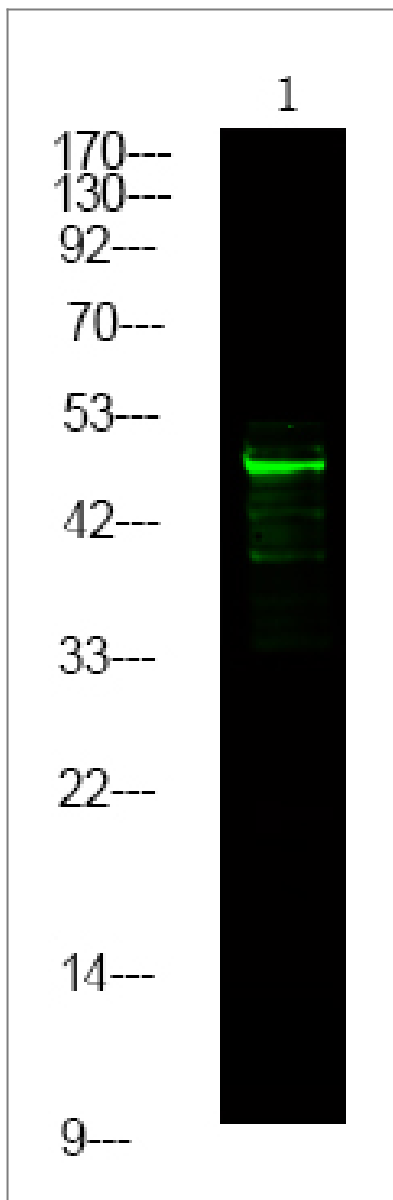
**Cellular Localization** [Isoform 2]: Nucleus, PML body.; [Isoform 1]: Cytoplasm.

**Tissue specificity** Ubiquitously expressed in all tissues examined. Isoform 2 is expressed at higher levels in the ovary than is isoform 1.

**Function** Catalytic activity:ATP + a protein = ADP + a phosphoprotein.,cofactor:Binds 1 zinc ion per subunit.,cofactor:Magnesium.,Function:May play a role in the response to environmental stress and cytokines. Appears to regulate transcription by phosphorylating EIF4E, thus increasing the affinity of this protein for the 7-methylguanosine-containing mRNA cap.,PTM: Dual phosphorylation of Thr-244 and Thr-249 activates the kinase. Phosphorylation of Thr-379 activates the kinase.,similarity:Belongs to the protein kinase superfamily. CAMK Ser/Thr protein kinase family.,similarity:Contains 1 protein kinase domain.,subunit:Monomer. Interacts with the C-terminal regions of EIF4G1 and EIF4G2. Also binds to dephosphorylated ERK1 and ERK2. Isoform 2 interacts with ESR2.,tissue specificity:Ubiquitously expressed in all tissues examined. Isoform 2 is expressed at higher levels in the ovary than is isoform 1.,

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## | Validation Data



Western Blot analysis of mouse liver ,using primary antibody at 1:1000 dilution. Secondary antibody(catalog#:RS23920) was diluted at 1:10000

## Contact information

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**MNK2 (Phospho Thr244) Rabbit pAb**

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