

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 When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports.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): lStPE

| Target Information

Gene name MKNK2 GPRK7 MNK2

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

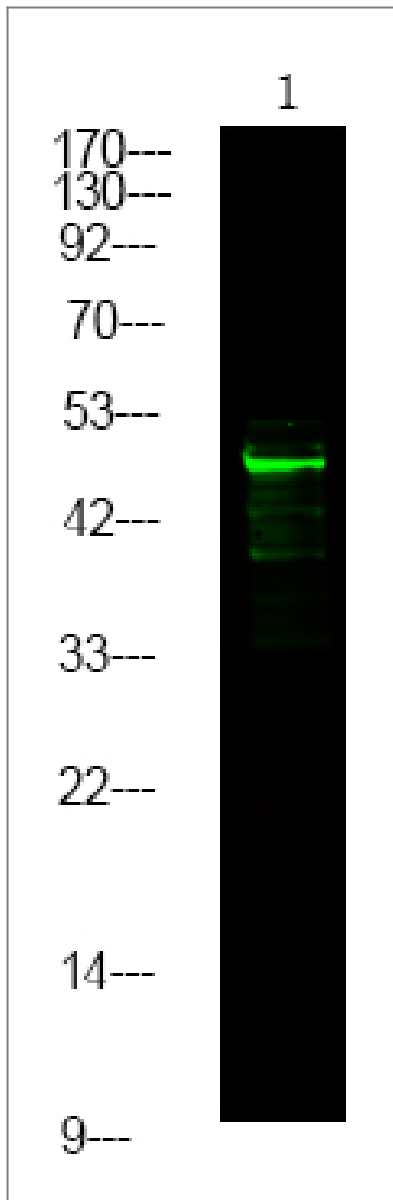
Organism	Gene ID	UniProt ID
Human	2872 ;	Q9HBH9 ;
Mouse	17347 ;	Q8CDB0 ;
Rat	299618 ;	Q5U2N4 ;

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. ,

| 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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