

Product Name: MNK2 (Phospho-Thr244) Rabbit Polyclonal Antibody
Catalog #: APRab05808

Summary

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|------------------------|--|
| Production Name | MNK2 (Phospho-Thr244) Rabbit Polyclonal Antibody |
| Description | Rabbit Polyclonal Antibody |
| Host | Rabbit |
| Application | WB |
| Reactivity | Human,Mouse,Rat |

Performance

| | |
|---------------------|--|
| Conjugation | Unconjugated |
| Modification | Phospho Antibody |
| Isotype | IgG |
| Clonality | Polyclonal |
| Form | Liquid |
| Storage | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles. |
| Buffer | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N. |
| Purification | Affinity purification |

Immunogen

| | |
|--------------------------|---|
| Gene Name | MKNK2 GPRK7 MNK2 |
| Alternative Names | MAP kinase-interacting serine/threonine-protein kinase 2 (EC 2.7.11.1) (MAP kinase signal-integrating kinase 2) (MAPK signal-integrating kinase 2) (Mnk2) |
| Gene ID | 2872.0 |
| SwissProt ID | Q9HBH9. |

Application

| | |
|-------------------------|---------------|
| Dilution Ratio | WB 1:500-2000 |
| Molecular Weight | 51kD |

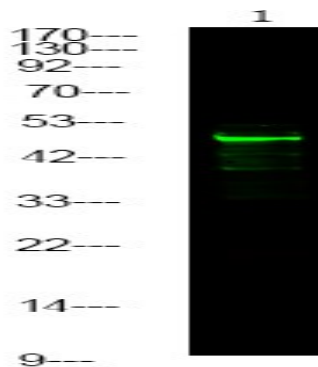
Background

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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.,

Research Area

Image Data



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

Note

For research use only.