

**Anti-Mnk2a Antibody**

**Our Anti-Mnk2a rabbit polyclonal primary antibody from PhosphoSolutions is produced in-house. It det**  
**Catalog # AN1457**

**Specification**

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**Anti-Mnk2a Antibody - Product Information**

Primary Accession	<a href="#">O9HBH9</a>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>
Isotype	<b>IgG</b>
Calculated MW	<b>51875</b>

**Anti-Mnk2a Antibody - Additional Information**

Gene ID **2872**

**Other Names**

ADCAD1 antibody, MADS box transcription enhancer factor 2 polypeptide A (myocyte enhancer factor 2A) antibody, MEF2 antibody, MEF2A antibody, MEF2A\_HUMAN antibody, Myocyte enhancer factor 2A antibody, Myocyte-specific enhancer factor 2A antibody, RSRFC4 antibody, RSRFC9 antibody, Serum response factor like protein 1 antibody, Serum response factor-like protein 1 antibody

**Target/Specificity**

MAP kinase-interacting kinases Mnk1 and Mnk2 are activated by the MAP kinases, ERK and p38 (Waskiewicz et al., 1997). Additionally, Mnk1 and Mnk2 have been shown to phosphorylate the translation initiation factor eIF4E (Fukunaga and Hunter 1997; Waskiewicz et al., 1997). Alternative splicing of the MKNK2 gene results in two isoforms with different C-termini: one that has a MAPK-binding domain, Mnk2a, and one that does not, Mnk2b (Parra et al., 2005). Recent studies have indicated that Mnk2a has tumor suppressive activity while Mnk2b is pro-oncogenic (Maimon et al., 2014).

**Format**

Antigen Affinity Purified from Pooled Serum

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

Anti-Mnk2a Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**Shipping**

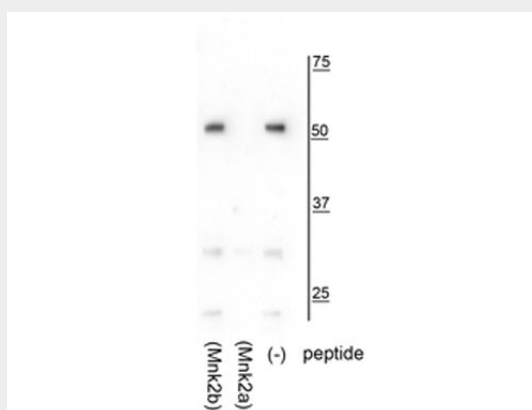
Blue Ice

**Anti-Mnk2a Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### Anti-Mnk2a Antibody - Images



Western blot of HeLa lysate showing specific immunolabeling of the ~52 kDa Mnk2a isoform in the third lane (-). Specificity is shown in the second lane (Mnk2a) where immunolabeling is blocked by preadsorption of the Mnk2a peptide used as the antigen, but not by the Mnk2b peptide in the first lane.

#### Anti-Mnk2a Antibody - Background

MAP kinase-interacting kinases Mnk1 and Mnk2 are activated by the MAP kinases, ERK and p38 (Waskiewicz et al., 1997). Additionally, Mnk1 and Mnk2 have been shown to phosphorylate the translation initiation factor eIF4E (Fukunaga and Hunter 1997; Waskiewicz et al., 1997). Alternative splicing of the MKNK2 gene results in two isoforms with different C-termini: one that has a MAPK-binding domain, Mnk2a, and one that does not, Mnk2b (Parra et al., 2005). Recent studies have indicated that Mnk2a has tumor suppressive activity while Mnk2b is pro-oncogenic (Maimon et al., 2014).