

**Mnk2b Antibody**  
**Rabbit Polyclonal Antibody**  
**Catalog # AN1282****Specification**

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**Mnk2b Antibody - Product Information**

Application	<b>WB</b>
Primary Accession	<a href="#">Q9HBH9</a>
Reactivity	<b>Human</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>
Calculated MW	<b>51875</b>

**Mnk2b Antibody - Additional Information**

Gene ID	<b>2872</b>
Gene Name	<b>MKNK2</b>

**Target/Specificity**

Synthetic peptide from the C-terminal region, specific to the human Mnk2b isoform

**Dilution**

WB~~ 1:1000

**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**

Mnk2b Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**Shipping**

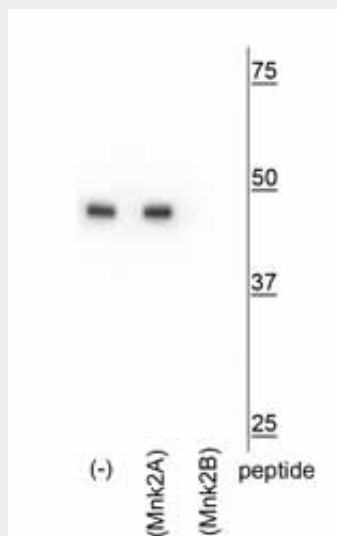
Blue Ice

**Mnk2b 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](#)

## Mnk2b Antibody - Images



Western blot of HeLa lysate showing specific immunolabeling of the ~47 kDa Mnk2b isoform in the first lane (-). Specificity is shown in the third lane (Mnk2b) where immunolabeling is blocked by preadsorption of the Mnk2b peptide used as the antigen, but not by the Mnk2a peptide in the second lane.

## Mnk2b 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).