

[KD Validated] MNK1 Rabbit mAb

Catalog No.: A28778 **Recombinant**

Basic Information

Observed MW

47 kDa (MNK1a)/51 kDa(MNK1)

Calculated MW

39 kDa/47 kDa/51 kDa

Category

Primary antibody

Applications

WB,IP,ELISA

Cross-Reactivity

Human, Mouse

CloneNo number

ARC81801

Background

This gene encodes a Ser/Thr protein kinase that interacts with, and is activated by ERK1 and p38 mitogen-activated protein kinases, and thus may play a role in the response to environmental stress and cytokines. This kinase may also regulate transcription by phosphorylating eIF4E via interaction with the C-terminal region of eIF4G. Alternatively spliced transcript variants have been noted for this gene.

Recommended Dilutions

WB 1:4000 - 1:10000**IP** 0.5 µg - 4 µg antibody for
200 µg - 400 µg extracts
of whole cells**ELISA** Recommended starting
concentration is 1 µg/mL.
Please optimize the
concentration based on
your specific assay
requirements. For high-
ratio antibody dilutions
(≥1:10000) a sequential
dilution method is
strongly recommended
to ensure measurement
accuracy.

Immunogen Information

Gene ID

8569

Swiss Prot

Q9BUB5

Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

Synonyms

MNK1

Product Information

Source

Rabbit

Isotype

IgG

Purification

Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.09% Sodium azide, 0.05% BSA, 50% glycerol, pH7.3.

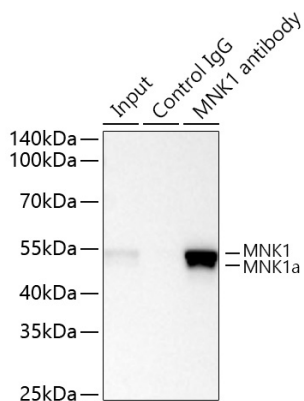
Contact

 | 400-999-6126

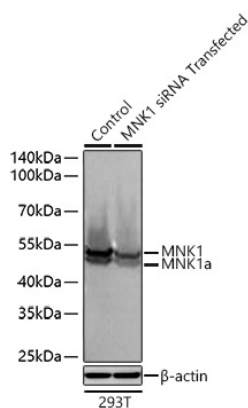
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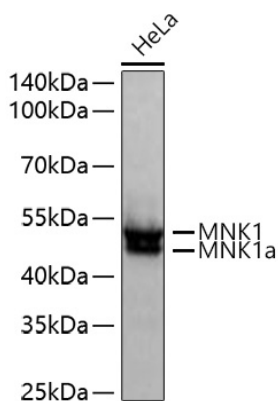
Validation Data



Immunoprecipitation of MNK1 from 300 µg extracts of 293T cells was performed using 2 µg of [KD Validated] MNK1 Rabbit mAb (A28778). Rabbit Control IgG (AC005) was used to precipitate the Control IgG sample. IP samples were eluted with 1x Laemmli Buffer. The Input lane represents 10% of the total input. Western blot analysis of immunoprecipitates was conducted using [KD Validated] MNK1 Rabbit mAb (A28778) at a dilution of 1:20000.

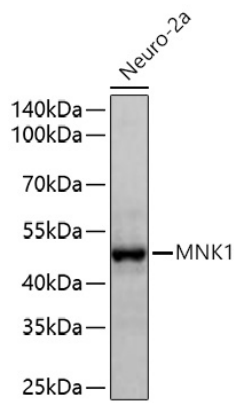


Western blot analysis of lysates from 293T cells transfected with MNK1 siRNA using [KD Validated] MNK1 Rabbit mAb (A28778) at 1:10000 dilution incubated overnight at 4°C. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 20 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 45 s.



Western blot analysis of lysates from HeLa cells using [KD Validated] MNK1 Rabbit mAb (A28778) at 1:10000 dilution incubated overnight at 4°C. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 60 s.

Validation Data



Western blot analysis of lysates from Neuro-2a cells using [KD Validated] MNK1 Rabbit mAb (A28778) at 1:10000 dilution incubated overnight at 4°C.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 60 s.