10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

MKNK1 / MNK1 Antibody (clone 2F12)

Mouse Monoclonal Antibody
Catalog # ALS14073

Specification

MKNK1 / MNK1 Antibody (clone 2F12) - Product Information

Application	**WB, IF**
Primary Accession	Q9BUB5
Reactivity	**Human**
Host	**Mouse**
Clonality	**Monoclonal**
Calculated MW	**51kDa KDa**

MKNK1 / MNK1 Antibody (clone 2F12) - Additional Information

Gene ID 8569

Other Names
MAP kinase-interacting serine/threonine-protein kinase 1, 2.7.11.1, MAP kinase signal-integrating kinase 1, MAPK signal-integrating kinase 1, Mnk1, MKNK1, MNK1

Target/Specificity
Human MNK1

Reconstitution & Storage
Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles.

Precautions
MKNK1 / MNK1 Antibody (clone 2F12) is for research use only and not for use in diagnostic or therapeutic procedures.

MKNK1 / MNK1 Antibody (clone 2F12) - Protein Information

Name MKNK1

Synonyms MNK1

Function
May play a role in the response to environmental stress and cytokines. Appears to regulate translation by phosphorylating EIF4E, thus increasing the affinity of this protein for the 7-methylguanosine- containing mRNA cap.

Cellular Location
[Isoform 2]: Cytoplasm.

Tissue Location
Ubiquitous..

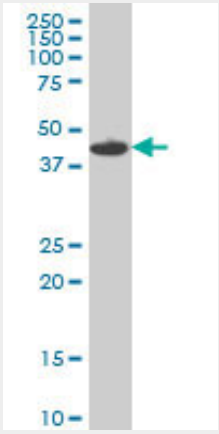
10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

MKNK1 / MNK1 Antibody (clone 2F12) - Protocols

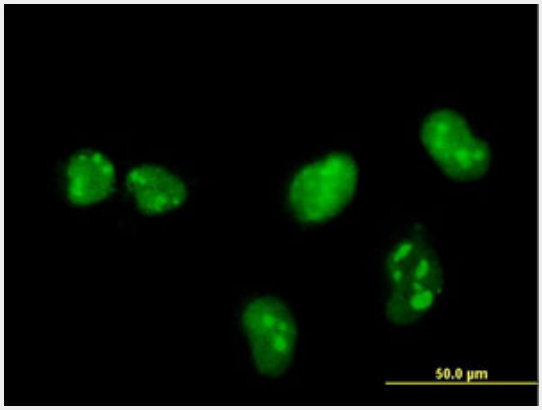
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

MKNK1 / MNK1 Antibody (clone 2F12) - Images



MNK1 monoclonal antibody, clone 2F12.



Immunofluorescence of monoclonal antibody to MNK1 on HeLa cell. [antibody concentration 10 ug/ml]

MKNK1 / MNK1 Antibody (clone 2F12) - Background

May play a role in the response to environmental stress and cytokines. Appears to regulate translation by phosphorylating EIF4E, thus increasing the affinity of this protein for the 7-methylguanosine-containing mRNA cap.

MKNK1 / MNK1 Antibody (clone 2F12) - References

Fukunaga R.,et al.EMBO J. 16:1921-1933(1997).
Knauf U.,et al.Mol. Cell. Biol. 21:5500-5511(2001).
O'Loghlen A.,et al.Exp. Cell Res. 299:343-355(2004).
Gregory S.G.,et al.Nature 441:315-321(2006).
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.