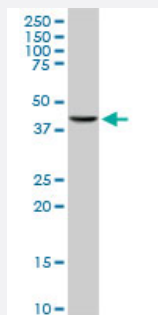


MAPKAPK3 monoclonal antibody (M01), clone 3F4

Catalog # H00007867-M01

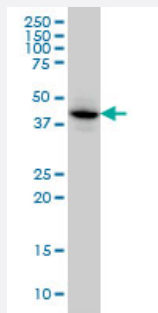
Size 100 ug

Applications



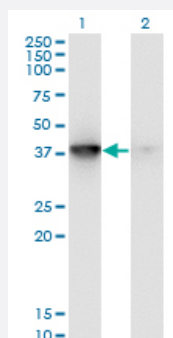
Western Blot (Cell lysate)

MAPKAPK3 monoclonal antibody (M01), clone 3F4. Western Blot analysis of MAPKAPK3 expression in NIH/3T3 (Cat # L018V1).



Western Blot (Cell lysate)

MAPKAPK3 monoclonal antibody (M01), clone 3F4 Western Blot analysis of MAPKAPK3 expression in HeLa (Cat # L013V1).

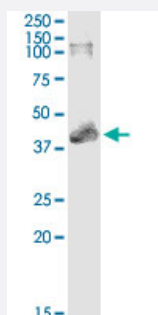


Western Blot (Transfected lysate)

Western Blot analysis of MAPKAPK3 expression in transfected 293T cell line by MAPKAPK3 monoclonal antibody (M01), clone 3F4.

Lane 1: MAPKAPK3 transfected lysate (Predicted MW: 43 KDa).

Lane 2: Non-transfected lysate.

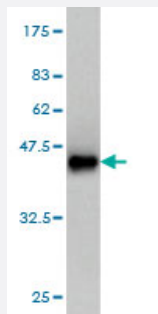
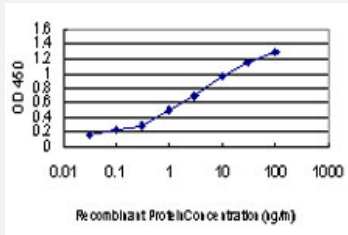


Immunoprecipitation

Immunoprecipitation of MAPKAPK3 transfected lysate using anti-MAPKAPK3 monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with MAPKAPK3 monoclonal antibody.

Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged MAPKAPK3 is approximately 0.1ng/ml as a capture antibody.



Western Blot detection against Immunogen (37.84 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant MAPKAPK3.
Immunogen	MAPKAPK3 (AAH01662, 272 a.a. ~ 382 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	EVSEDAKQLIRLLKTDPTERTLTITQFMNHPWINQSMVVPQTPLHTARVLQEDKDHWDDEVKEEMT SALATMRVDYDQVKIKDLKTSNNRLLNKRRKKQAGSSSASQGCNNQ
Host	Mouse
Reactivity	Human, Mouse
Interspecies Antigen Sequence	Mouse (96); Rat (94)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.84 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

MAPKAPK3 monoclonal antibody (M01), clone 3F4. Western Blot analysis of MAPKAPK3 expression in NIH/3T3 (Cat # L018V1).

[Protocol Download](#)

- Western Blot (Cell lysate)

MAPKAPK3 monoclonal antibody (M01), clone 3F4 Western Blot analysis of MAPKAPK3 expression in HeLa (Cat # L013V1).

[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of MAPKAPK3 expression in transfected 293T cell line by MAPKAPK3 monoclonal antibody (M01), clone 3F4.

Lane 1: MAPKAPK3 transfected lysate (Predicted MW: 43 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Immunoprecipitation

Immunoprecipitation of MAPKAPK3 transfected lysate using anti-MAPKAPK3 monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with MAPKAPK3 monoclonal antibody.

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged MAPKAPK3 is approximately 0.1ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — MAPKAPK3

Entrez GeneID

[7867](#)

GeneBank Accession#	BC001662
Protein Accession#	AAH01662
Gene Name	MAPKAPK3
Gene Alias	3PK, MAPKAP3
Gene Description	mitogen-activated protein kinase-activated protein kinase 3
Omim ID	602130
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a member of the Ser/Thr protein kinase family. This kinase functions as a mitogen-activated protein kinase (MAP kinase)- activated protein kinase. MAP kinases are also known as extracellular signal-regulated kinases (ERKs), act as an integration point for multiple biochemical signals. This kinase was shown to be activated by growth inducers and stress stimulation of cells. In vitro studies demonstrated that ERK, p38 MAP kinase and Jun N-terminal kinase were all able to phosphorylate and activate this kinase, which suggested the role of this kinase as an integrative element of signaling in both mitogen and stress responses. This kinase was reported to interact with, phosphorylate and repress the activity of E47, which is a basic helix-loop-helix transcription factor known to be involved in the regulation of tissue-specific gene expression and cell differentiation. [provided by RefSeq]
Other Designations	MAPKAP kinase 3

Publication Reference

- [Cooperative and distinct functions of MK2 and MK3 in the regulation of the macrophage transcriptional response to lipopolysaccharide.](#)

Ehltting C, Rex J, Albrecht U, Deenen R, Tiedje C, Köhrer K, Sawodny O, Gaestel M, Häussinger D, Bode JG.
Scientific Reports 2019 Jul; 9(1):11021.

Application: WB, Mouse, Bone marrow-derived macrophages

- [Label-Free Nanoplasmonic Biosensing of Cancer Biomarkers for Clinical Diagnosis.](#)

Portela A, Peláez EC, Calvo-Lozano O, Estévez MC, Lechuga LM.
Methods in Molecular Biology (Clifton, N.J.) 2019 Jul; 2027:115.

Application: Func, Human, Human plasma

Pathway

- [MAPK signaling pathway](#)

- [VEGF signaling pathway](#)

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hepatitis C](#)
- [Schizophrenia](#)