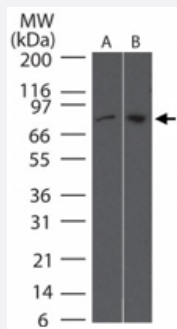


TBK1 monoclonal antibody, clone 108A429

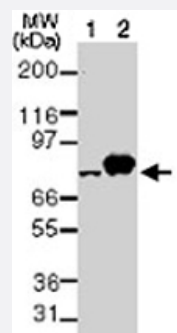
Catalog # MAB0053 Size 100 ug

Applications



Western Blot (Cell lysate)

Western blot analysis of TBK1 in (A) human Daudi cell lysate and (B) mouse RAW cell lysate using TBK1 monoclonal antibody, clone 108A429 (Cat # MAB0053) at 2 ug/mL .



Western Blot (Transfected lysate)

Western blot analysis of TBK1. Using TBK1 monoclonal antibody, clone 108A429 (Cat # MAB0053) 2 ug/mL dilution against 10 ug/lane of lysate from 293 cells transfected with human TBK1 cDNA.

Specification

Product Description	Mouse monoclonal antibody raised against synthetic peptide of TBK1.
Immunogen	A synthetic peptide corresponding to amino acids 563-577 of human TBK1.
Sequence	YYQFKKDKAERRLAYC
Host	Mouse
Reactivity	Bovine, Dog, Human, Mouse, Rat
Form	Liquid
Isotype	IgG1

Recommend Usage	The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.05% BSA, 0.05% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

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Gene Info — TBK1

Entrez GeneID	29110
Protein Accession#	NP_037386.1
Gene Name	TBK1
Gene Alias	FLJ11330, NAK, T2K
Gene Description	TANK-binding kinase 1
Omim ID	604834
Gene Ontology	Hyperlink
Gene Summary	The NF-kappa-B (NFKB) complex of proteins is inhibited by I-kappa-B (IKB) proteins, which inactivate NFKB by trapping it in the cytoplasm. Phosphorylation of serine residues on the IKB proteins by IKB kinases marks them for destruction via the ubiquitination pathway, thereby allowing activation and nuclear translocation of the NFKB complex. The protein encoded by this gene is similar to IKB kinases and can mediate NFKB activation in response to certain growth factors. For example, the protein can form a complex with the IKB protein TANK and TRAF2 and release the NFKB inhibition caused by TANK. [provided by RefSeq]
Other Designations	NF-kB-activating kinase

Publication Reference

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Sumpter R Jr, Loo YM, Foy E, Li K, Yoneyama M, Fujita T, Lemon SM, Gale M Jr.
Journal of Virology 2005 Mar; 79(5):2689.
- [IKKepsilon and TBK1 are essential components of the IRF3 signaling pathway.](#)
Fitzgerald KA, McWhirter SM, Faia KL, Rowe DC, Latz E, Golenbock DT, Coyle AJ, Liao SM, Maniatis T.
Nature Immunology 2003 May; 4(5):491.

Application: IP, WB-Tr, Human, HEK 293T cells

Pathway

- [Toll-like receptor signaling pathway](#)

Disease

- [Hepatitis C](#)