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MAP3K13 (LZK) Antibody (C-term)

Mouse Monoclonal Antibody (Mab)
Catalog # AM9976b

Product Information

Application	WB, IF, E
Primary Accession	O43283
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgM
Clone Names	810CT26.6.1.1
Calculated MW	108296
Antigen Region	52-305

Additional Information

Gene ID	9175
Other Names	Mitogen-activated protein kinase kinase kinase 13, Leucine zipper-bearing kinase, Mixed lineage kinase, MLK, MAP3K13 (HGNC:6852)
Target/Specificity	Purified His-tagged MAP3K13 protein fragment was used to produced this monoclonal antibody.
Dilution	WB~~1:1000 IF~~1:100 E~~Use at an assay dependent concentration.
Format	Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Euglobin precipitation followed by dialysis against PBS.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	MAP3K13 (LZK) Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	MAP3K13 (HGNC:6852)
Function	Activates the JUN N-terminal pathway through activation of the MAP kinase kinase MAP2K7. Acts synergistically with PRDX3 to regulate the activation of NF-kappa-B in the cytosol. This activation is kinase-dependent and involves activating the IKK complex, the IKBKB- containing complex that phosphorylates inhibitors of NF-kappa-B.

Cellular Location	Cytoplasm. Membrane; Peripheral membrane protein
Tissue Location	Expressed in the adult brain, liver, placenta and pancreas, with expression strongest in the pancreas

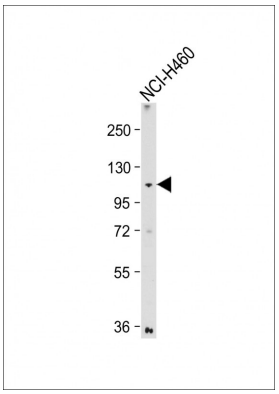
Background

Activates the JUN N-terminal pathway through activation of the MAP kinase kinase MAP2K7. Acts synergistically with PRDX3 to regulate the activation of NF-kappa-B in the cytosol. This activation is kinase-dependent and involves activating the IKK complex, the IKBKB-containing complex that phosphorylates inhibitors of NF-kappa-B.

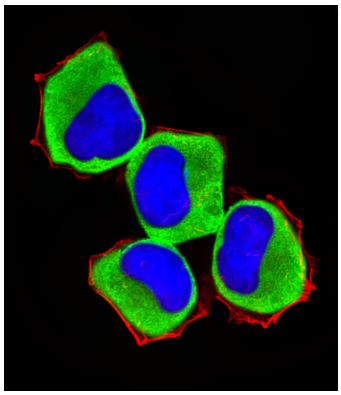
References

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Sakuma H., et al. J. Biol. Chem. 272:28622-28629(1997).
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Images



Anti-MAP3K13 (LZK) Antibody (C-term) at 1:500 dilution + NCI-H460 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-mouse IgM, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 110 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



Fluorescent image of NCI-H460 cells stained with MAP3K13 (LZK) Antibody (N-term)(Cat#AP9976b). AP9976b was diluted at 1:100 dilution. An Alexa Fluor® 488-conjugated goat anti-mouse lgM at 1:400 dilution was used as the secondary antibody (green). DAPI was used to stain the cell nuclear (blue). Cytoplasmic actin was counterstained with Alexa Fluor® 555 conjugated with Phalloidin (red).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.