
Product Name: LZK Rabbit Polyclonal Antibody**Catalog #: APRab13525**

For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,IHC,ICC/IF,ELISA
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:10000-1:20000
Molecular Weight	108kDa

Antigen Information

Gene Name	MAP3K13
Alternative Names	MAP3K13; LZK; Mitogen-activated protein kinase kinase kinase 13; Leucine zipper-bearing kinase; Mixed lineage kinase; MLK
Gene ID	9175.0
SwissProt ID	O43283
Immunogen	The antiserum was produced against synthesized peptide derived from human M3K13. AA range:151-200

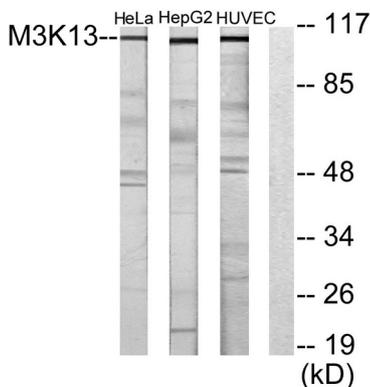
Background

The protein encoded by this gene is a member of serine/threonine protein kinase family. This kinase contains a dual leucine-zipper motif, and has been shown to form dimers/oligomers through its leucine-zipper motif. This kinase can phosphorylate and activate MAPK8/JNK, MAP2K7/MKK7, which suggests a role in the JNK signaling pathway. [provided by RefSeq, Jul 2008],catalytic activity:ATP + a protein = ADP + a phosphoprotein.,cofactor:Magnesium.,enzyme regulation:Activated by autophosphorylation and homodimerization.,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.,PTM:Autophosphorylated on serine and threonine residues.,sequence caution:Translated as Tyr.,sequence caution:Wrong choice of CDS.,similarity:Belongs to the protein kinase superfamily. STE Ser/Thr protein kinase family. MAP kinase kinase kinase subfamily.,similarity:Contains 1 protein kinase domain.,subunit:Homodimer; forms dimers through the leucine-zipper motif. Interacts with the C-terminus of MAPK8IP1 through the kinase catalytic domain. Binds PRDX3. Associates with the IKK complex through the kinase domain.,tissue specificity:Expressed in the adult brain, liver, placenta and pancreas, with expression strongest in the pancreas.,

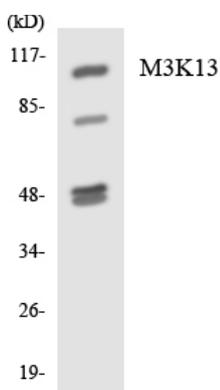
Research Area

MAPK_ERK_Growth;MAPK_G_Protein;

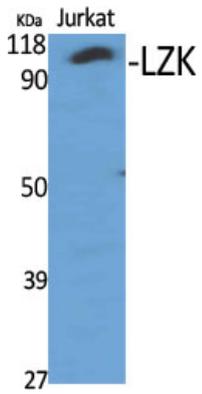
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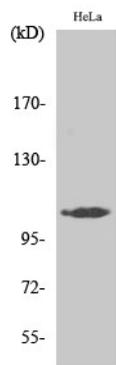
Western blot analysis of lysates from HeLa, HUVEC, and HepG2 cells, using M3K13 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from HepG2 cells using M3K13 antibody.



Western Blot analysis of various cells using LZK Polyclonal Antibody



Western Blot analysis of HepG2 cells using LZK Polyclonal Antibody