Best Tools for immunology Research

LZK Polyclonal Antibody

Catalog No :	YT2610
Reactivity :	Human;Mouse;Rat
Applications :	WB;IHC;IF;ELISA
Target :	LZK
Fields :	>>MAPK signaling pathway
Gene Name :	MAP3K13
Protein Name :	Mitogen-activated protein kinase kinase kinase 13
Human Gene Id :	9175
Human Swiss Prot No :	O43283
Mouse Gene Id :	71751
Mouse Swiss Prot No :	Q1HKZ5
Immunogen :	The antiserum was produced against synthesized peptide derived from human M3K13. AA range:151-200
Specificity :	LZK Polyclonal Antibody detects endogenous levels of LZK protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:20000.. IF 1:50-200
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml

Storage Stability : -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band : 108kD

Cell Pathway : MAPK_ERK_Growth;MAPK_G_Protein;

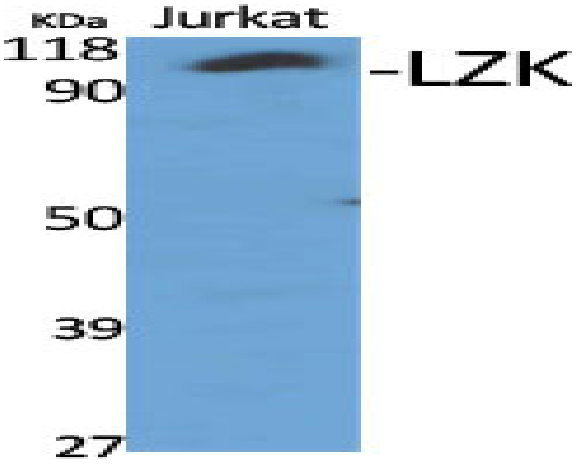
Background : The protein encoded by this gene is a member of serine/threonine protein kinase family. This kinase contains a dual leucine-zipper motif, and has been shown to form dimers/oligomers through its leucine-zipper motif. This kinase can phosphorylate and activate MAPK8/JNK, MAP2K7/MKK7, which suggests a role in the JNK signaling pathway. [provided by RefSeq, Jul 2008],

Function : 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 MAPK8IP

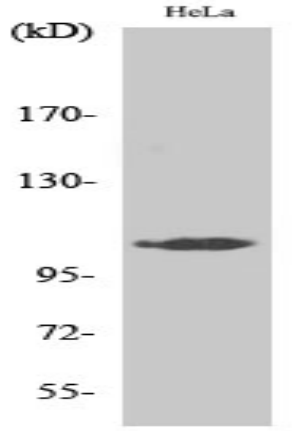
Subcellular Location : Cytoplasm . Membrane ; Peripheral membrane protein .

Expression : Expressed in the adult brain, liver, placenta and pancreas, with expression strongest in the pancreas.

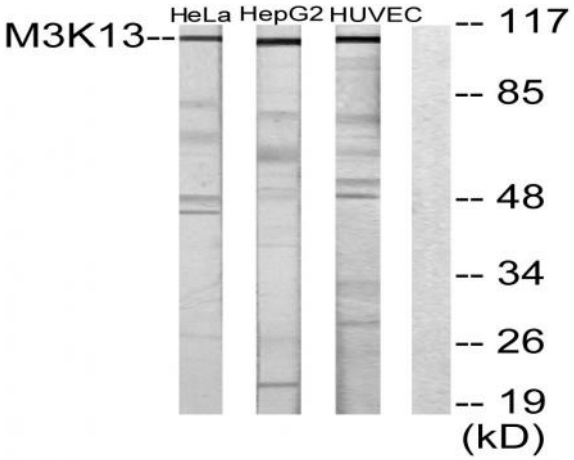
Products Images



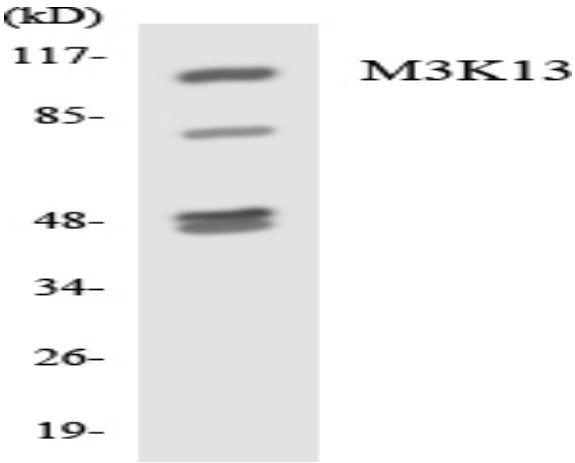
Western Blot analysis of various cells using LZK Polyclonal Antibody



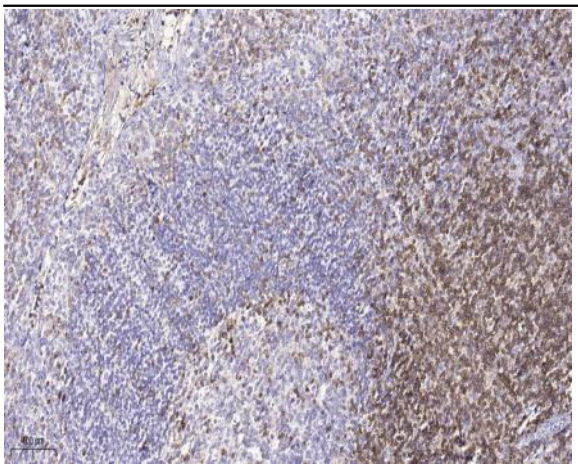
Western Blot analysis of HepG2 cells using LZK Polyclonal Antibody



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.



Immunohistochemical analysis of paraffin-embedded human tonsil. 1, Tris-EDTA,pH9.0 was used for antigen retrieval. 2 Antibody was diluted at 1:200(4° overnight.3,Secondary antibody was diluted at 1:200(room temperature, 45min).