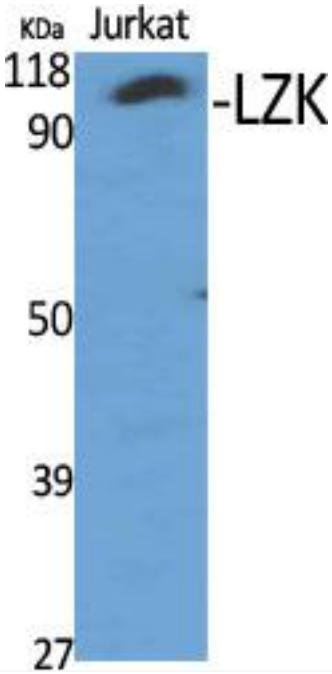
LZK Monoclonal Antibody

Catalog No	BYmab-14821
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	MAP3K13
Protein Name	Mitogen-activated protein kinase kinase kinase 13
Immunogen	The antiserum was produced against synthesized peptide derived from human M3K13. AA range:151-200
Specificity	LZK Monoclonal Antibody detects endogenous levels of LZK protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	MAP3K13; LZK; Mitogen-activated protein kinase kinase kinase 13; Leucine zipper-bearing kinase; Mixed lineage kinase; MLK
Observed Band	108kD
Cell Pathway	Cytoplasm . Membrane ; Peripheral membrane protein .
Tissue Specificity	Expressed in the adult brain, liver, placenta and pancreas, with expression strongest in the pancreas.
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
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],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using LZK Monoclonal Antibody