SunLong Biotech Co.,LTD
Tel: 0086-571- 56623320 Fax:0086-571- 56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

Rabbit Anti-MAP3K13/LZK antibody

SL18663R

Product Name:	MAP3K13/LZK
Chinese Name:	MAP3K13蛋白抗体
Alias:	EC 2.7.11.25; Leucine zipper bearing kinase; Leucine zipper bearing kinase; Leucine zipper-bearing kinase; LZK; M3K13_HUMAN; MAP3K13; MEKK13; MGC133196; Mitogen activated protein kinase kinase kinase 13; Mitogen-activated protein kinase kinase kinase 13; Mixed lineage kinase; MLK; OTTHUMP00000210397.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Cow,Orangutan
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	108kDa
Cellular localization:	cytoplasmicThe cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human MAP3K13/LZK:801-900/966
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	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:
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.

Subcellular Location:
Cytoplasm. Membrane.

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

Post-translational modifications:
Autophosphorylated on serine and threonine residues.

Similarity:
Belongs to the protein kinase superfamily.
STE Ser/Thr protein kinase family.
MAP kinase kinase kinase subfamily.
Contains 1 protein kinase domain.

SWISS:
O43283

Gene ID:
9175

Database links:

Entrez Gene: 9175 Human

Entrez Gene: 71751 Mouse

Omim: 604915 Human

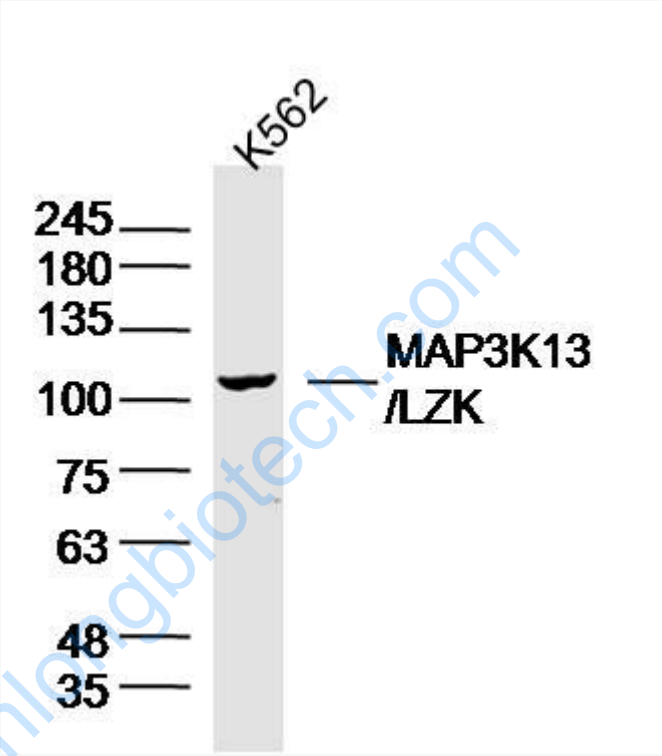
SwissProt: O43283 Human

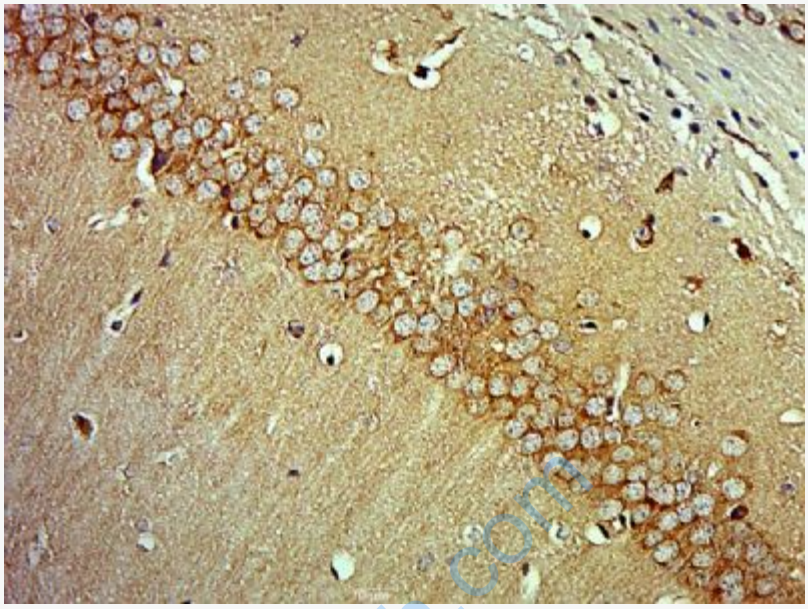
SwissProt: Q1HKZ5 Mouse

Unigene: 656069 Human

Unigene: 420837 Mouse

Unigene: 438136 Mouse

	Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Picture:	 Sample: K562 Cell (Human) Lysate at 40 ug Primary: Anti-MAP3K13/LZK (SL18663R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 108 kD Observed band size: 108 kD



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (MAP3K13) Polyclonal Antibody, Unconjugated (SL18663R) at 1:500 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.