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Anti-LZK Antibody

Catalog # AP59771

Product Information

Application	WB, IHC, IF/IC
Primary Accession	O43283
Reactivity	Human, Mouse, Rat, Rabbit, Chicken, Bovine, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	108296

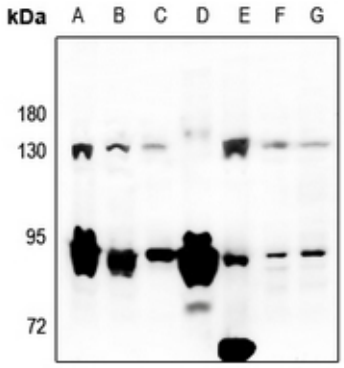
Additional Information

Gene ID	9175
Other Names	LZK; Mitogen-activated protein kinase kinase kinase 13; Leucine zipper-bearing kinase; Mixed lineage kinase; MLK
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human LZK. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000), IP (1/10 - 1/100) IHC~~1:100~500 IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

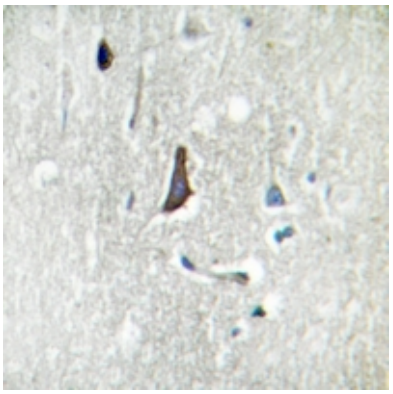
Protein Information

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

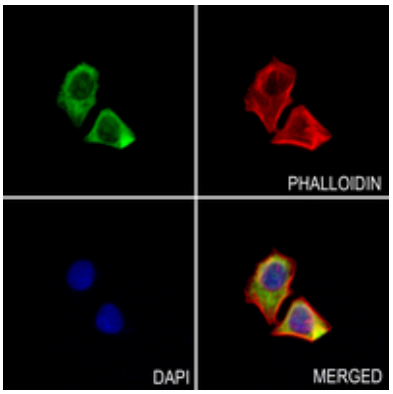
Images



Western blot analysis of LZK expression in EC9706 (A), SGC7901 (B), Panc1 (C), AML12 (D), rat brain (E), HepG2 (F), LO2 (G) whole cell lysates. (Predicted band size: 108 kD; Observed band size: 130; 92 kD)



Immunohistochemical analysis of LZK staining in human brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of LZK staining in HepG2 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

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