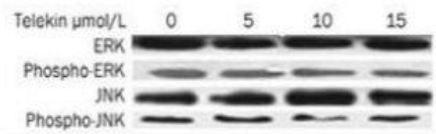
PRODUCT DATA SHEET

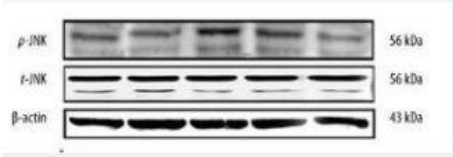
JNK1:2:3 Polyclonal Antibody

Catalog No.	IPB0054
Reactivity	Human; Mouse; Rat; Chicken(testedbyourcustomer）
Applications	WB; IHC-p; IF/ICC; ELISA
Dilution	WB: 1:500-1:2000 IHC: 1:50-1:200 IF: 1:50-1:200 ELISA: 1:10000
Gene Name	MAPK8:9:10
Protein Name	Mitogen-activated protein kinase 8/9/10
Human Gene Id	5599:5601:5602
Swiss-Prot	P45983:P45984:P53779
Formulation	Liquid in PBS containing 50% glycerol, 05% BSA and 002% sodium azide
Source	Rabbit
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Concentration	1 mg/ml
Storage&Stability	-20°C/1 year
Subcellular Location	Cytoplasm Nucleus Cell junction, synapse In the cortical neurons, predominantly cytoplasmic and associated with the Golgi apparatus and endosomal fraction Increased neuronal activity increases phosphorylated form at synapses (By similarity) Colocalizes with POU5F1 in the nucleus
MW	48296/48139/52585
Background	The protein encoded by this gene is a member of the MAP kinase family MAP kinases act as an integration point for multiple biochemical signals, and are involved in a wide variety of cellular processes such as proliferation, differentiation, transcription regulation and development This kinase is activated by various cell stimuli, and targets specific transcription factors, and thus mediates immediate-early gene expression in response to cell stimuli The activation of this kinase by tumor-necrosis factor alpha (TNF-alpha) is found to be required for TNF-alpha induced apoptosis This kinase is also involved in UV radiation induced apoptosis, which is thought to be related to cytochrom c-mediated cell death pathway Studies of the mouse counterpart of this gene suggested that this kinase play a key role in T cell proliferation, apoptosis and differentiation

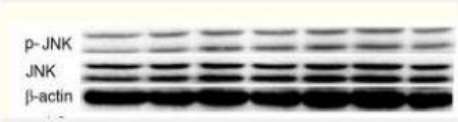
Products Images:



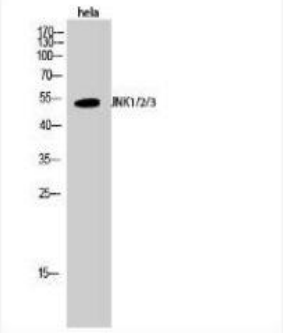
Li, Lin, et al. "Telekin suppresses human hepatocellular carcinoma cells in vitro by inducing G 2/M phase arrest via the p38 MAPK signaling pathway." Acta Pharmacologica Sinica 35.10 (2014): 1311.



Fan, Dong-xiao, et al. "17β-Estradiol on the Expression of G-Protein Coupled Estrogen Receptor (GPER/GPR30) Mitophagy, and the PI3K/Akt Signaling Pathway in ATDC5 Chondrocytes In Vitro." Medical science monitor: international medical journal of experimental and clinical research 24 (2018): 1936.



Xu, Yini, et al. "Inhibitory effects of oxymatrine on TGF-β1-induced proliferation and abnormal differentiation in rat cardiac fibroblasts via the p38MAPK and ERK1/2 signaling pathways." Molecular medicine reports 16.4 (2017): 5354-5362.



Western Blot analysis of hela cells using JNK1/2/3 Polyclonal Antibody diluted at 1:1000

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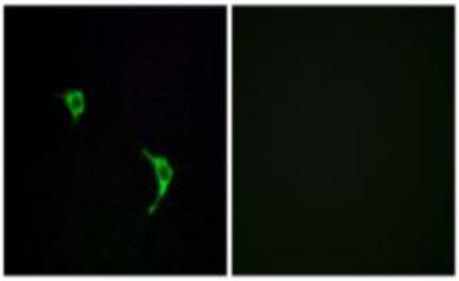
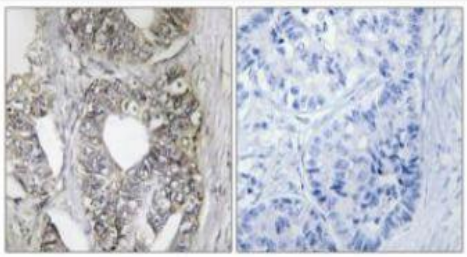
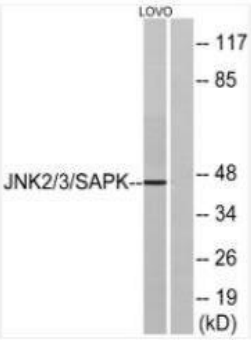


Immunofluorescence analysis of LOVO cells, using SAPK/JNK Antibody. The picture on the right is blocked with the synthesized peptide.



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue, using SAPK/JNK Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from LOVO cells, using SAPK/JNK Antibody. The lane on the right is blocked with the synthesized peptide.