

For Research Use Only

JNK Polyclonal antibody

Catalog Number: 51151-1-AP 130 Publications



Basic Information

Catalog Number: 51151-1-AP	GenBank Accession Number: NM_138982	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 450 ug/ml by Nanodrop;	GeneID (NCBI): 5599	Recommended Dilutions: WB: 1:500-1:3000
Source: Rabbit	UNIPROT ID: P45983	IHC: 1:50-1:500
Isotype: IgG	Full Name: mitogen-activated protein kinase 8	IF/ICC: 1:50-1:500
	Calculated MW: 48 kDa	
	Observed MW: 44-48 kDa, 50-55 kDa	

Applications

Tested Applications: WB, IHC, IF/ICC, ELISA	Positive Controls:
Cited Applications: WB, IHC, IF, IP, CoIP	WB : 4T1 cells, mouse brain tissue, A431 cells, HEK-293 cells, HepG2 cells, Jurkat cells, Neuro-2a cells, C6 cells, NIH/3T3 cells
Species Specificity: human, mouse	IHC : human colon cancer tissue, human lung cancer tissue
Cited Species: human, mouse, rat, pig, chicken	IF/ICC : SH-SY5Y cells,
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

MAPK8(Mitogen-activated protein kinase 8) is also named as JNK1, PRKM8, SAPK1, SAPK1C and belongs to the MAP kinase subfamily. MAPK8 is activated by dual phosphorylation at a Thr-Pro-Tyr motif during response to UV light. MAPK8 functions to phosphorylate c-Jun at N-terminal serine regulatory sites of Ser-63 and Ser-73, mapping within the transactivation domain. Phosphorylation of these sites in response to UV results in transcriptional activation of c-Jun. It has some isoforms produced by alternative splicing with the molecular weight of 46 kDa and 48 kDa. This protein can be phosphorylated and this antibody recognizes the 46 kDa and 55 kDa bands in western blot(PMID:11062067).

Notable Publications

Author	Pubmed ID	Journal	Application
Xin-Sen Chen	36182039	Pharmacol Res	WB
Jie Ren	30251384	J Pharm Pharmacol	WB
Haixia Luo	32778560	J Bacteriol	WB

Storage

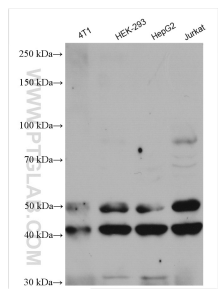
Storage:
Store at -20°C.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

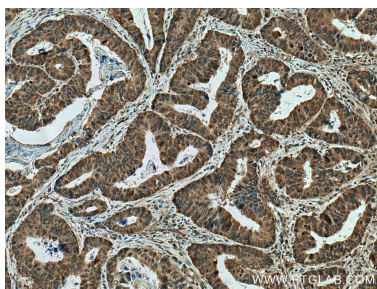
For technical support and original validation data for this product please contact:
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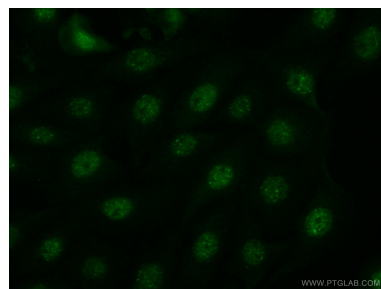
Selected Validation Data



4T1 cells were subjected to SDS PAGE followed by western blot with 51151-1-AP (JNK antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 51151-1-AP (JNK antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Acetone) fixed SH-SY5Y cells using 51151-1-AP (JNK antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated Goat Anti-Rabbit IgG(H+L).