

## Allgemeine Informationen

<b>Katalog-Nr.:</b> 51151-1-AP	<b>GenBank-Zugangsnummer:</b> NM_138982	<b>Reinigungsmethode:</b> Antigen-Affinitätsreinigung
<b>Größe:</b> 150ul , Konzentration: 450 µg/ml von Nanodrop;	<b>GeneID (NCBI):</b> 5599	<b>Empfohlene Verdünnungen:</b> WB 1:500-1:3000 IHC 1:50-1:500 IF 1:50-1:500
<b>Wirt:</b> Kaninchen	<b>Vollständiger Name:</b> mitogen-activated protein kinase 8	
<b>Isotyp:</b> IgG	<b>Berechnete Masse:</b> 48 kDa	
	<b>Beobachtete Masse:</b> 44-48 kDa, 50-55 kDa	

## Anwendungen

### Geprüfte Anwendungen:

IF, IHC, WB, ELISA

### In Publikationen genannte Anwendungen:

IHC, IP, WB

### Getestete Reaktivität:

Human, Maus

### Zitierte Arten:

Hausschwein, Human, Maus, Ratte

**Hinweis-IHC: Antigendemaskierung mit TE-Puffer pH 9,0 empfohlen. (\*) Wahlweise kann die Antigendemaskierung auch mit Citratpuffer pH 6,0 erfolgen.**

### Positivkontrollen:

**WB:** 4T1-Zellen, A431-Zellen, C6-Zellen, HEK-293-Zellen, HepG2-Zellen, Jurkat-Zellen, Maushirngewebe, Neuro-2a-Zellen, NIH/3T3-Zellen

**IHC:** humanes Kolonkarzinomgewebe, humanes Lungenkarzinomgewebe

**IF:** SH-SY5Y-Zellen,

## Hintergrundinformationen

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).

## Bemerkenswerte Veröffentlichungen

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

## Lagerung

### Lagerungsbedingungen:

Bei -20°C lagern.

### Lagerungspuffer:

PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.

Aliquotieren ist nicht notwendig bei -20°C Lagerung

\*\*\* 20ul-Größen enthalten 0.1% BSA

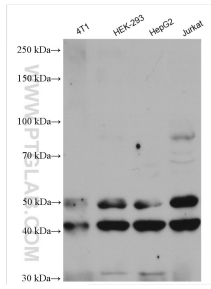
For technical support and original validation data for this product please contact:

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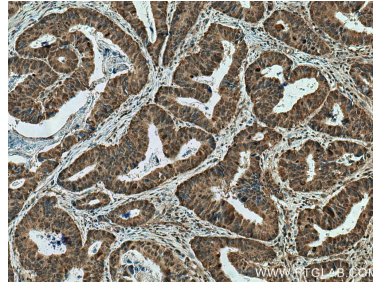
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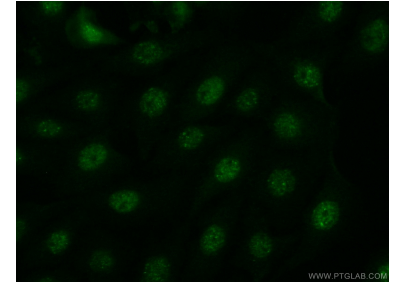
## Ausgewählte Validierungsdaten



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 AffiniPure Goat Anti-Rabbit IgG(H+L).