

## JNK1 Rabbit Recombinant Oligoclonal Antibody – Purified

MAN0004611

Rev. Date: 21 June 2011

Catalog Number: 710075

Store at 2–8°C

**Clonality:** Oligoclonal  
**Concentration:** 0.5 mg/mL

**Host/Class:** Rabbit IgG  
**Reactivity:** Human c-Jun N-terminal kinase 1

**Quantity:** 100 µg  
**Volume:** 200 µL

**Predicted Reactivity:** Human, Mouse

### Product Description

C-Jun N-terminal Kinase (JNK) is also known as Mitogen-activated protein kinase (MAPK8). It belongs to the MAPK superfamily of stress-activated protein kinases. MAPKs are Serine-threonine protein kinases that are activated in response to a variety of extracellular stimuli, and mediate signal transduction from the cell surface to the nucleus. JNK is involved in a wide variety of cellular processes such as proliferation, differentiation, transcription regulation and development. JNK pathways are activated by stress and inflammatory signals. JNK is expressed as ten different isoforms due to differential mRNA splicing. The predominant forms are JNK1 and JNK2.

### Product Specifications

**Immunogen:** Recombinant protein corresponding to amino acids 17–126 of human JNK1  
**Alternate Names:** MAPK8, SAPK1  
**Apparent MW:** ~48 kDa  
**Gene ID:** 5599  
**Protein Accession No.:** P45983  
**Sequence Identity:** Human  
**Sequence Homology:** Mouse  
**Clone/PAD:** 2HCLC  
**Lot:** See product label

### Product Applications

Application	Species	Test Material	Concentration
Western blotting	Human	HeLa cells	0.5–3 µg/mL
Indirect ELISA	Human	Recombinant protein	1.5 × 10 <sup>-4</sup> to 3 µg/mL

### Storage and Handling

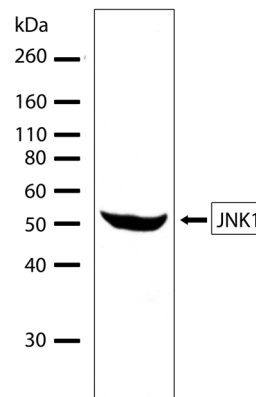
Store the antibody at 2–8°C for up to 1 month, or –20°C for long storage. Avoid repeated freezing and thawing.

### Stability

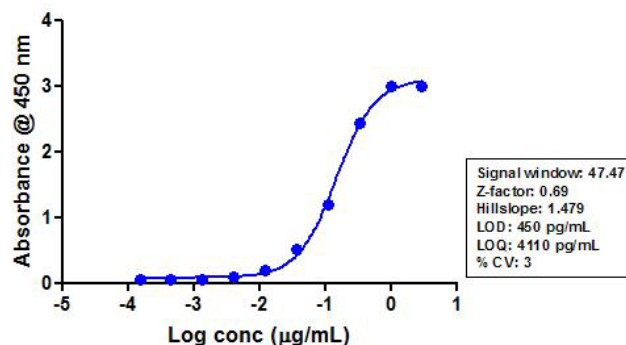
Expires one year from date of receipt when stored as instructed.

### Storage Buffer

Phosphate buffered saline (PBS) with 0.09% sodium azide.



**Figure 1** Western blot analysis of JNK1 Rabbit Recombinant Oligoclonal Antibody (Cat. no. 710075). Western blot analysis was performed on HeLa whole cell extracts. Endogenous JNK1 protein was detected with JNK1 Rabbit Recombinant Oligoclonal Antibody at 2.5 µg/mL. A band corresponding to JNK1 at ~50 kDa was observed.



**Figure 2** Indirect ELISA of JNK1 Rabbit Recombinant Oligoclonal Antibody (Cat. no. 710075). Indirect ELISA was performed using various dilutions of JNK1 Rabbit Recombinant Oligoclonal Antibody (Cat. no. 710075) to detect recombinant JNK1 protein coated onto the plate. A non-linear regression analysis was performed (4 PL) and LOD and LOQ for the antibody was determined.

**For research use only. Not for human or animal therapeutic or diagnostic use.**

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## Safety Data Sheets (SDS)

Safety Data Sheets (SDSs) are available at [www.invitrogen.com/sds](http://www.invitrogen.com/sds).














## Certificate of Analysis

The Certificate of Analysis provides detailed quality control and product qualification information for each product. Certificates of Analysis are available on our website. Go to [www.invitrogen.com/support](http://www.invitrogen.com/support) and search for the Certificate of Analysis by product lot number, which is printed on the box.

## Related Products

Product Name	Quantity	Catalog No.
iBlot® Dry Blotting System	1 unit	IB1001
WesternBreeze® Chromogenic Kit Anti-Rabbit	1 kit	WB7105
WesternBreeze® Chemiluminescent Kit, Anti-Rabbit	1 kit	WB7106
Goat anti-mouse (H+L), HRP conj.	1 mg	G21040
Goat anti-rabbit (H+L), HRP conj.	1 mg	G21234
Goat anti-mouse (H+L), AP conj.	1 mg	G21060
Goat anti-rabbit (H+L), AP conj.	1 mg	G21079
Nitrocellulose, 0.2 µm	20/pack	LC2000

### Explanation of symbols

Symbol	Description	Symbol	Description
	Catalogue Number		Batch code
	Research Use Only		<i>In vitro</i> diagnostic medical device
	Use by		Temperature limitation
	Manufacturer		European Community authorised representative
	Without, does not contain		With, contains
	Protect from light		Consult accompanying documents
	Directs the user to consult instructions for use (IFU), accompanying the product.		

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