

## Anti-JNK1 Polyclonal Antibody

<b>Cat. No.:</b>	CPJ000	<b>Size:</b> 100 µg
<b>Description:</b>	c-Jun N-terminal Kinase 1 (JNK1) is a ~46 kDa Stress Activated Protein Kinase/Map Kinase (SAPK/MAPK) that is fully activated by dual phosphorylation on threonine 183 and tyrosine 185, within the activation loop. The JNK and p38 pathways function to modulate cell-cycle, apoptotic and transcriptional responses to stress. This antibody is useful to determine total levels of JNK1 protein.	
<b>Formulation:</b>	0.50 mg/ml. Rabbit polyclonal immunoglobulin in phosphate buffer, pH 7.4, with 0.05% sodium azide ( <b>Caution:</b> sodium azide is a poisonous and hazardous substance. Handle with care and dispose of properly.)	
<b>Purification:</b>	Purified from rabbit serum by sequential epitope-specific chromatography.	
<b>Immunogen:</b>	The antiserum was produced against a chemically synthesized peptide derived from an internal region of JNK1. This region is conserved among human, mouse, and rat forms of JNK1, JNK2, and JNK3 proteins.	
<b>Cross-reactivity:</b>	Human, mouse, and rat JNK1. This antibody has been shown only to be reactive with JNK1, although this region is conserved between the three isoforms of JNK (JNK1, JNK2, and JNK3). JNK2 and JNK3 have not been detected.	
<b>Applications:</b>	The antibody has been used in Western blotting and immunostaining applications. For Western blotting applications, we recommend using the antibody at 0.1-1.0 µg/ml. The optimal antibody concentration should be determined for each specific application.	
<b>Storage:</b>	Store at -80°C. Upon initial thawing, apportion into working aliquots and store at -80°C. <b>Avoid repeated freeze-thaw cycles.</b>	
<b>Positive Controls:</b>	HEK 293 cells +/- ultraviolet (UV) irradiation treatment and PC12 cells +/- Sorbitol.	

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.



**Cell Sciences, Inc.**  
480 Neponset Street  
Building 12A  
Canton, MA 02021

Toll Free: 888 769-1246  
Phone: 781 828-0610  
Fax: 781 828-0542

E-mail: [info@cellsciences.com](mailto:info@cellsciences.com)  
Web Site: [www.cellsciences.com](http://www.cellsciences.com)