



# Anti-JNK (aa 172-190) polyclonal antibody (DPAB2964)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Product Overview</b>	Recognizes the ~48 kDa JNK protein phosphorylated at Tyr183/185 in MCF-7 cells.
<b>Specificity</b>	human
<b>Immunogen</b>	a synthetic peptide [LARTAGTSFMMpTPpYVVTRY(C)] corresponding to amino acids 172-190 of human Stress-Activated Protein Kinase/Jun N-terminal Kinase (SAPK/JNK)
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	ELISA
<b>Format</b>	Liquid. Undiluted serum.
<b>Preservative</b>	None
<b>Storage</b>	-20°C. Avoid freeze/thaw

## BACKGROUND

<b>Introduction</b>	c-Jun N-terminal kinases (JNKs), were originally identified as kinases that bind and phosphorylate c-Jun on Ser-63 and Ser-73 within its transcriptional activation domain. They belong to the mitogen-activated protein kinase family, and are responsive to stress stimuli, such as cytokines, ultraviolet irradiation, heat shock, and osmotic shock. They also play a role in T
---------------------	---

cell differentiation and the cellular apoptosis pathway. Activation occurs through a dual phosphorylation of threonine (Thr) and tyrosine (Tyr) residues within a Thr-Pro-Tyr motif located in kinase subdomain VIII. Activation is carried out by two MAP kinases, MKK4 and MKK7 and JNK can be inactivated by Ser/Thr and Tyr protein phosphatases. It has been suggested that this signaling pathway contributes to inflammatory responses in mammals and insects.

---

**Keywords**

c-Jun N-terminal kinases; JNKs; MAPK10; FLJ33785; MGC50974; p493F12; p54aSAPK; p54bSAPK; 230008H04Rik; AI849689; c Jun N terminal kinase 1; c Jun N terminal kinase 2; c Jun N terminal kinase 3; FLJ12099; JNK 46; JNK 55; JNK; JNK1; JNK1A2; JNK2; JNK21B1/2;

---