

## Product datasheet for **AM31822PU-N**

### **JNK2 (MAPK9) (1-425) Mouse Monoclonal Antibody [Clone ID: 1C1-3A8]**

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	1C1-3A8
Applications:	ELISA, IHC, WB
Recommended Dilution:	<b>ELISA.</b> <b>Immunohistochemistry on Paraffin Sections:</b> 5 µg/ml. <b>Western Blot:</b> 1/500 - 1/1000.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	MAPK9 antibody was raised against mAPK9 (AAH32539, 1 a.a. ~ 425 a.a) full length recombinant protein with GST tag.
Specificity:	This antibody reacts to full length MAPK9 / JNK2.
Formulation:	PBS, pH 7.4 State: Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Affinity chromatography on Protein A
Conjugation:	Unconjugated
Storage:	Store the antibody (in aliquots) at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	mitogen-activated protein kinase 9
Database Link:	<a href="#">Entrez Gene 5601 Human P45984</a>



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**Background:**

JNK2, a MAPK type protein kinase, regulates cell apoptosis, differentiation and growth in response to growth factors, inflammatory cytokines and cellular stress. JNK2 is phosphorylated by by MKK4/MAP2K4 and MKK7/MAP2K7. Activated JNK2 translocates to the nucleus where it phosphorylates transcription factors, including c-Jun, ATF2, ELK1, Jun-D and NFAT4. At least four distinct isoforms, resulting from alternatively spliced transcript variants, have been reported - three different isoforms comprised of 382 amino acids and one comprised of 424 amino acids.

**Synonyms:**

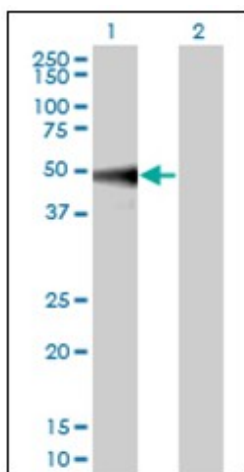
JNK-55, PRKM9, MAP kinase 9

**Protein Families:**

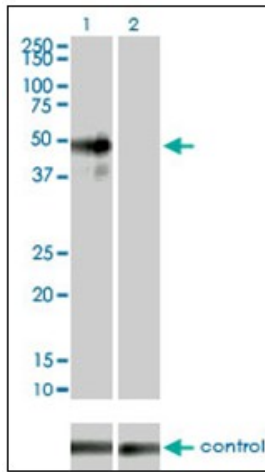
Druggable Genome, ES Cell Differentiation/IPS, Protein Kinase

**Protein Pathways:**

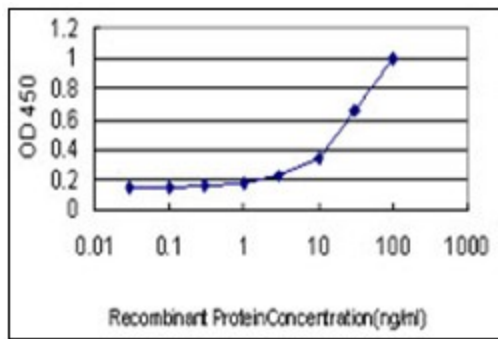
Adipocytokine signaling pathway, Colorectal cancer, Epithelial cell signaling in Helicobacter pylori infection, ErbB signaling pathway, Fc epsilon RI signaling pathway, Focal adhesion, GnRH signaling pathway, Insulin signaling pathway, MAPK signaling pathway, Neurotrophin signaling pathway, NOD-like receptor signaling pathway, Pancreatic cancer, Pathways in cancer, Progesterone-mediated oocyte maturation, RIG-I-like receptor signaling pathway, T cell receptor signaling pathway, Toll-like receptor signaling pathway, Type II diabetes mellitus, Wnt signaling pathway

**Product images:**

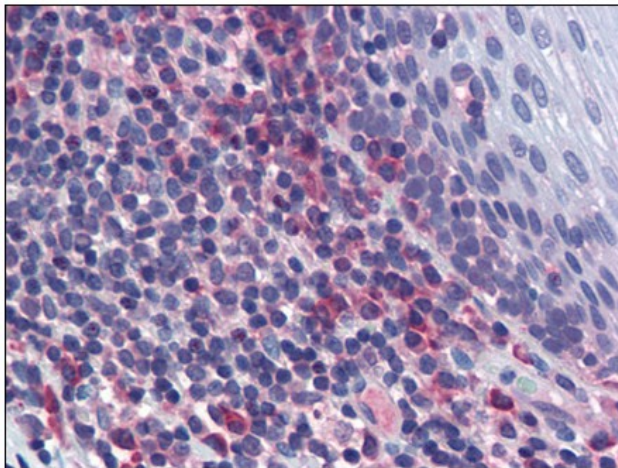
Western Blot analysis of MAPK9 expression in transfected 293T cell line by MAPK9 monoclonal antibody



Western blot analysis of MAPK9 over-expressed 293 cell line, cotransfected with MAPK9 Validated Chimera RNAi (Lane 2) or non-transfected control (Lane 1). Blot probed with MAPK9 monoclonal antibody.



Detection limit for recombinant GST tagged MAPK9 is approximately 3ng/ml as a capture antibody.



Human Tonsil: Formalin-Fixed, Paraffin-Embedded (FFPE)