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Product datasheet for TA324295

JNK1 (MAPK8) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 500-2000 WB positive control: Jurkat, K562, Hela, A172 cell, Mouse brain tissue lysates IHC: 50-200 Positive control: Human prostate cancer Predicted cell location: Nucleus
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein corresponding to a C terminal 300 amino acids of human mitogen-activated protein kinase 8
Formulation:	PBS pH7.3, 0.05% NaN3, 50% glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	48 kDa
Gene Name:	mitogen-activated protein kinase 8
Database Link:	NP_001265476 Entrez Gene 26419 MouseEntrez Gene 116554 RatEntrez Gene 5599 Human P45983

View online »

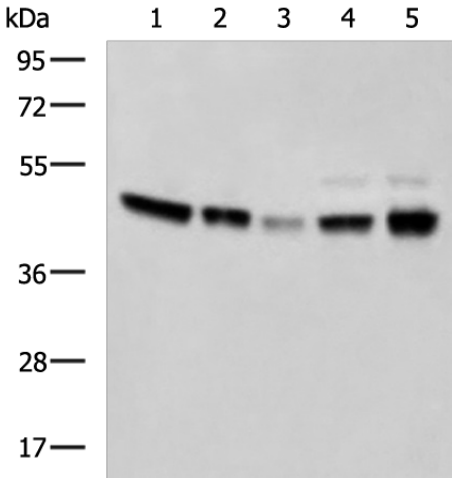
Background: The protein encoded by this gene is a member of the MAP kinase family. MAP kinases act as an integration point for multiple biochemical signals; and are involved in a wide variety of cellular processes such as proliferation; differentiation; transcription regulation and development. This kinase is activated by various cell stimuli; and targets specific transcription factors; and thus mediates immediate-early gene expression in response to cell stimuli. The activation of this kinase by tumor-necrosis factor alpha (TNF-alpha) is found to be required for TNF-alpha induced apoptosis. This kinase is also involved in UV radiation induced apoptosis; which is thought to be related to cytochrom c-mediated cell death pathway. Studies of the mouse counterpart of this gene suggested that this kinase play a key role in T cell proliferation; apoptosis and differentiation. Four alternatively spliced transcript variants encoding distinct isoforms have been reported.?

Synonyms: 2; JNK; JNK-46; JNK1; JNK1A2; JNK21B1; PRKM8; SAPK1; SAPK1c

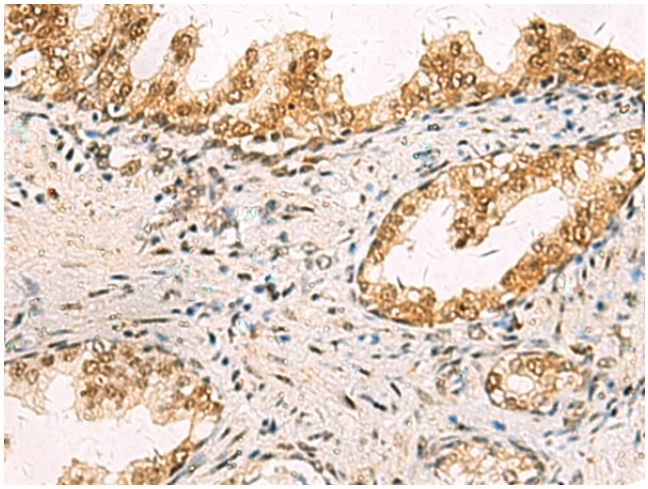
Protein Families: Druggable Genome, ES Cell Differentiation/IPS, Protein Kinase

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, Toll-like receptor signaling pathway, Type II diabetes mellitus, Wnt signaling pathway

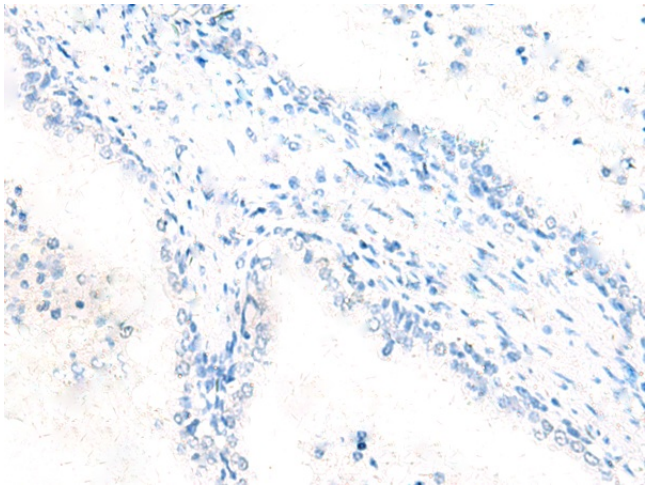
Product images:



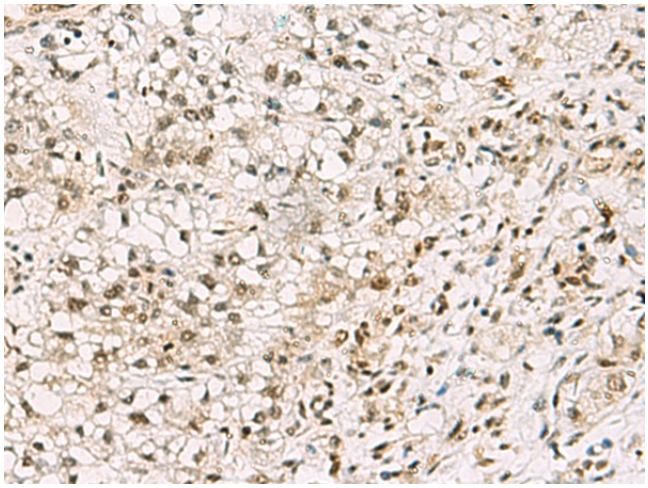
Gel: 8%SDS-PAGE
Lysate: 40 µg
Lane 1-5: Jurkat
K562
Hela
A172 cell
Mouse brain tissue lysates
Primary antibody: TA324295 (MAPK8 Antibody) at dilution 1/800
Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution
Exposure time: 5 seconds



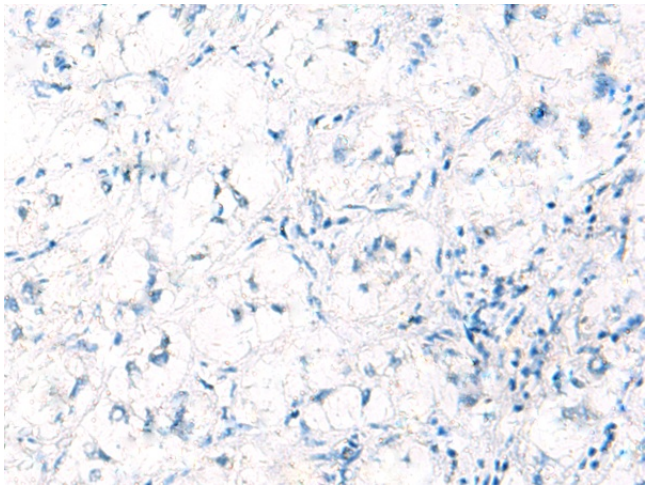
Immunohistochemistry of paraffin-embedded Human prostate cancer tissue using TA324295 (MAPK8 Antibody) at dilution 1/65 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human prostate cancer tissue using TA324295 (MAPK8 Antibody) at dilution 1/65, treated with fusion protein. (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human liver cancer tissue using TA324295 (MAPK8 Antibody) at dilution 1/65 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human liver cancer tissue using TA324295 (MAPK8 Antibody) at dilution 1/65, treated with fusion protein. (Original magnification: ×200)