MAPK11 (phospho T180/T182) polyclonal antibody

Catalog # PAB15917 Size 100 ug

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic phosphopeptide of MAPK11.
Immunogen	Synthetic phosphopeptide corresponding to residues surrounding T180/T182 of human MAPK11.
Host	Rabbit
Reactivity	Human, Mouse
Form	Liquid
Recommend Usage	ELISA (1:2000-1:5000) Western Blot (1 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (50% glycerol, 0.01% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Western Blot
- Enzyme-linked Immunoabsorbent Assay

Gene Info — MAPK11

Entrez GeneID	5600
Gene Name	MAPK11

Gene Alias	P38B, P38BETA2, PRKM11, SAPK2, SAPK2B, p38-2, p38Beta
Gene Description	mitogen-activated protein kinase 11
Omim ID	602898
Gene Ontology	Hyperlink
Gene Summary	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 most closely related to p38 MAP kinase, both of which can be activated by proinflammatory cytokines and environmental stress. This kinase is activated through its phosphorylation by MAP kinase kinases (MKKs), preferably by MKK6. Transcription factor ATF2/CREB2 has been shown to be a substrate of this kinase. [provided by RefSeq
Other Designations	OTTHUMP00000196655|mitogen-activated protein kinase p38 beta|mitogen-activated protein kinase p38-2|stress-activated protein kinase-2|stress-activated protein kinase-2b

Publication Reference

- Global survey of phosphotyrosine signaling identifies oncogenic kinases in lung cancer.

  Rikova K, Guo A, Zeng Q, Possemato A, Yu J, Haack H, Nardone J, Lee K, Reeves C, Li Y, Hu Y, Tan Z, Stokes M, Sullivan L, Mitchell J, Wetzel R, Macneill J, Ren JM, Yuan J, Bakalarski CE, Villen J, Kornhauser JM, Smith B, Li D, Zhou X, Gygi SP, Gu TL, Polakiewicz RD, Rush J, Comb MJ.

  Cell 2007 Dec; 131(6):1190.

- A genome annotation-driven approach to cloning the human ORFeome.

  Collins JE, Wright CL, Edwards CA, Davis MP, Grinham JA, Cole CG, Goward ME, Aguado B, Mallya M, Mokrab Y, Huckle EJ, Beare DM, Dunham I.

  Genome Biol 2004 Sep; 5(10):R84.

- p38-2, a novel mitogen-activated protein kinase with distinct properties.

  Stein B, Yang MX, Young DB, Janknecht R, Hunter T, Murray BW, Barbosa MS.

  The Journal of Biological Chemistry 1997 Aug; 272(31):19509.

Pathway

- Amyotrophic lateral sclerosis (ALS)
- Epithelial cell signaling in Helicobacter pylori infection

- Fc epsilon RI signaling pathway
- GnRH signaling pathway
- Leukocyte transendothelial migration
- MAPK signaling pathway
- Neurotrophin signaling pathway
- T cell receptor signaling pathway
- Toll-like receptor signaling pathway
- VEGF signaling pathway

Disease

- Cardiovascular Diseases
- Diabetes Mellitus
- Edema
- HIV Infections