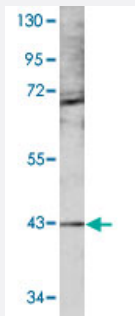


MAPK12 polyclonal antibody

Catalog # PAB2786

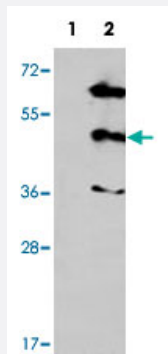
Size 400 uL

Applications



Western Blot (Tissue lysate)

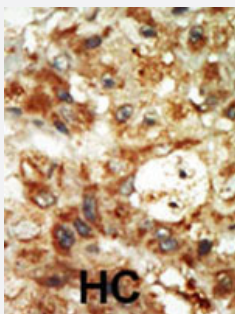
Western blot analysis of mouse lung tissue lysate (35 ug/lane) with MAPK12 polyclonal antibody (Cat # PAB2786).



Western Blot (Transfected lysate)

Western blot analysis of MAPK12 (arrow) using MAPK12 polyclonal antibody (Cat # PAB2786).

293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the MAPK12 gene (Lane 2).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Formalin-fixed and paraffin-embedded human hepatocellular carcinoma tissue reacted with MAPK12 polyclonal antibody (Cat # PAB2786), which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. HC = hepatocarcinoma.

Specification

Product Description

Rabbit polyclonal antibody raised against synthetic peptide of MAPK12.

Immunogen	A synthetic peptide (conjugated with KLH) corresponding to internal region of human MAPK12.
Host	Rabbit
Reactivity	Human, Mouse
Form	Liquid
Purification	Protein G purification
Recommend Usage	Western Blot (1:1000) Immunohistochemistry (1:50-100) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% 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 should be handled by trained staff only.

Applications

- Western Blot (Tissue lysate)

Western blot analysis of mouse lung tissue lysate (35 ug/lane) with MAPK12 polyclonal antibody (Cat # PAB2786).

- Western Blot (Transfected lysate)

Western blot analysis of MAPK12 (arrow) using MAPK12 polyclonal antibody (Cat # PAB2786).
293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the MAPK12 gene (Lane 2).

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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Gene Info — MAPK12

Entrez GeneID	6300
Protein Accession#	P53778
Gene Name	MAPK12
Gene Alias	ERK3, ERK6, P38GAMMA, PRKM12, SAPK-3, SAPK3

Gene Description	mitogen-activated protein kinase 12
Omim ID	602399
Gene Ontology	Hyperlink
Gene Summary	Activation of members of the mitogen-activated protein kinase family is a major mechanism for transduction of extracellular signals. Stress-activated protein kinases are one subclass of MAP kinases. The protein encoded by this gene functions as a signal transducer during differentiation of myoblasts to myotubes. [provided by RefSeq]
Other Designations	mitogen-activated protein kinase 3 stress-activated protein kinase 3

Publication Reference

- [Nuclear export of ERK3 by a CRM1-dependent mechanism regulates its inhibitory action on cell cycle progression.](#)

Julien C, Coulombe P, Meloche S.

The Journal of Biological Chemistry 2003 Oct; 278(43):42615.

Application: IF, Mouse, NIH 3T3 fibroblasts

- [Different domains of the mitogen-activated protein kinases ERK3 and ERK2 direct subcellular localization and upstream specificity in vivo.](#)

Robinson MJ, Xu Be BE, Stippec S, Cobb MH.

The Journal of Biological Chemistry 2002 Feb; 277(7):5094.

Application: KA, WB-Re, Recombinant protein

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](#)