P38 MAPK(Ab-182) Antibody

Catalog No: #21245

Package Size: #21245-1 50ul #21245-2 100ul #21245-4 25ul

Overview

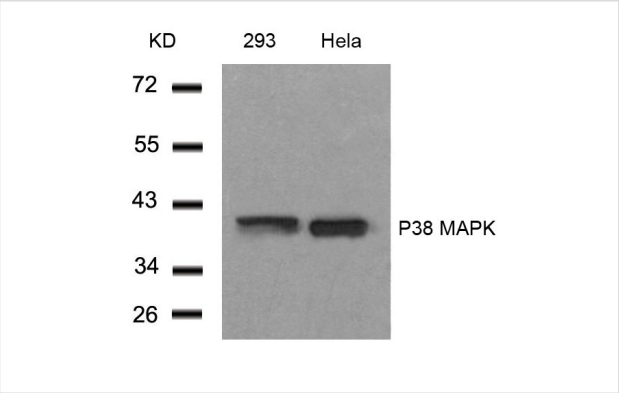
Product Name	P38 MAPK(Ab-182) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Applications	WB
Species Reactivity	Hu Ms Rt
Immunogen Type	Peptide-KLH
Target Name	P38 MAPK
Alternative Names	MAPK2; MAPKAPK-2; MAPKAPK2

Application Details

Predicted MW: 43kd

Western blotting: 1:500~1:1000

Images



Western blot analysis of extracts from 293 and Hela cells using P38 MAPK(Ab-182) Antibody #21245.

Descriptions

Immunogen	Peptide sequence around aa. 180~184 (T-G-Y-V-A) derived from Human P38 MAPK.
Specificity	The antibody detects endogenous level of total P38MAPK protein.
Purifiction	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.
Accession NO.	Swiss-Prot: Q16539NCBI Protein: NP _001306.1

Related Information

Responds to activation by environmental stress, pro-inflammatory cytokines and lipopolysaccharide (LPS) by phosphorylating a number of transcription factors, such as ELK1 and ATF2 and several downstream kinases, such as MAPKAPK2 and MAPKAPK5. Plays a critical role in the production of some cytokines, for example IL-6. May play a role in stabilization of EPO mRNA during hypoxic stress. Isoform Mxi2 activation is stimulated by mitogens and oxidative stress and only poorly phosphorylates ELK1 and ATF2. Isoform Exip may play a role in the early onset of apoptosis.

Ming Zheng, et al.(2005) The FASEB Journal. 19: 109-111

Bernt van den et al.(2001) Blink Immunology, 166: 582-587

Arshad Rahman, et al. (2004) Am J Physiol Lung Cell Mol Physiol 287: L1017-L1024

Osamu Yoshino, et al. (2003) Endocrinology & Metabolism Vol. 88: 2236-2241

Published Papers

Yi-Wen Gu, Dian-San Su, Jie Tian el at., Attenuating phosphorylation of p38 MAPK in the activated microglia: A new mechanism for intrathecal lidocaine reversing tactile allodynia following chronic constriction injury in rats., Neuroscience Letters, 431(2):129-134. (2008)

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