P38 MAPK(Ab-182) Antibody

Catalog No: #21245

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

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

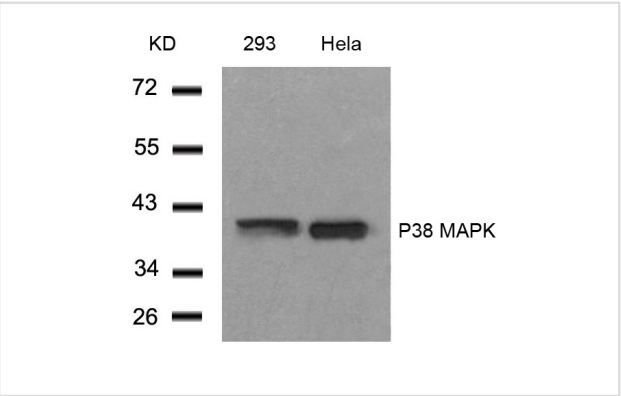
Product Name	P38 MAPK(Ab-182) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.
Applications	WB
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level of total P38MAPK protein.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around aa. 180~184 (T-G-Y-V-A) derived from Human P38 MAPK.
Target Name	P38 MAPK
Other Names	MAPK2; MAPKAPK-2; MAPKAPK2
Accession No.	Swiss-Prot: Q16539NCBI Protein: NP _001306.1
Concentration	1.0mg/ml
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.

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.

Background

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)

PMID:18191894

Note: This product is for in vitro research use only and is not intended for use in humans or animals.