

Product datasheet

Anti-p38 (phospho T180) antibody ab51050

1 图像

概述

产品名称	Anti-p38 (phospho T180)抗体
描述	兔多克隆抗体 to p38 (phospho T180)
宿主	Rabbit
特异性	Detects endogenous levels of P38 only when phosphorylated at threonine 180.
经测试应用	适用于: WB, ELISA
种属反应性	与反应: Human 预测可用于: Mouse, Rat
免疫原	Synthetic phosphopeptide derived from human P38 around the phosphorylation site of threonine 180 Run BLAST with ExPASy Run BLAST with NCBI
阳性对照	HeLa cell extract

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
存储溶液	Preservative: 0.02% Sodium Azide Constituents: 50% Glycerol, PBS (without Mg ²⁺ and Ca ²⁺), 150mM Sodium chloride, pH 7.4
纯度	Immunogen affinity purified
纯化说明	Affinity purified from rabbit antiserum by affinity chromatography using epitope specific phosphopeptide. The antibody against non phosphopeptide was removed by chromatography using non phosphopeptide corresponding to the phosphorylation site.
克隆	多克隆
同种型	IgG

应用

Our [Abpromise guarantee](#) covers the use of **ab51050** in the following tested applications.

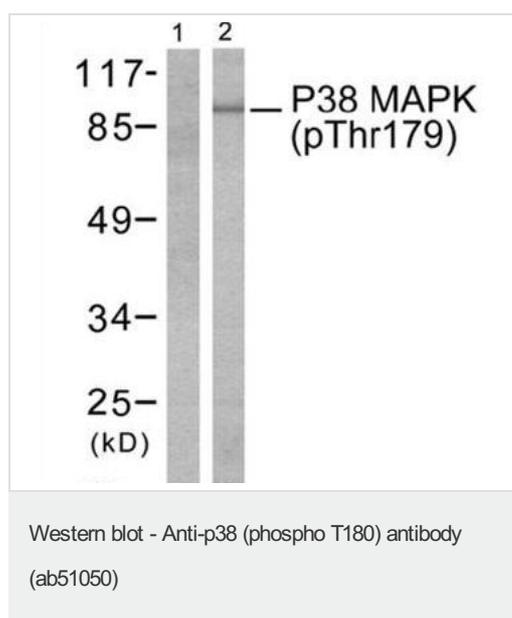
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	Ab评论	说明
WB		1/500 - 1/1000. Detects a band of approximately 90 kDa (predicted molecular weight: 41 kDa).
ELISA		1/40000.

靶标

功能	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.
组织特异性	Brain, heart, placenta, pancreas and skeletal muscle. Expressed to a lesser extent in lung, liver and kidney.
序列相似性	Belongs to the protein kinase superfamily. CMGC Ser/Thr protein kinase family. MAP kinase subfamily. Contains 1 protein kinase domain.
结构域	The TXY motif contains the threonine and tyrosine residues whose phosphorylation activates the MAP kinases.
翻译后修饰	Dually phosphorylated on Thr-180 and Tyr-182, which activates the enzyme. Phosphorylated upon DNA damage, probably by ATM or ATR.
细胞定位	Cytoplasm. Nucleus.

图片



All lanes : Anti-p38 (phospho T180) antibody (ab51050) at 1/500 dilution

Lane 1 : HeLa cell extract treated with TNF alpha (20ng/ml, 5 min)

Lane 2 : HeLa cell extract treated with TNF alpha (20ng/ml, 5 min) with phospho peptide

Predicted band size: 41 kDa

Observed band size: 90 kDa

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