

Product datasheet

Human p38 (phospho T180 + Y182) peptide ab58397

画像数 1

製品の概要

製品名 Human p38 (phospho T180 + Y182) peptide

製品の詳細

由来 Synthetic

アミノ酸配列

生物種 Human

修飾 phospho T180 + Y182

特性

Our [Abpromise guarantee](#) covers the use of **ab58397** in the following tested applications.

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

アプリケーション Blocking - Blocking peptide for Anti-p38 (phospho T180 + Y182) antibody ([ab38238](#))

精製度 70 - 90% by HPLC.

製品の状態 Liquid

備考

- First try to dissolve a small amount of peptide in either water or buffer. The more charged residues on a peptide, the more soluble it is in aqueous solutions.
- If the peptide doesn't dissolve try an organic solvent e.g. DMSO, then dilute using water or buffer.
- Consider that any solvent used must be compatible with your assay. If a peptide does not dissolve and you need to recover it, lyophilise to remove the solvent.
- Gentle warming and sonication can effectively aid peptide solubilisation. If the solution is cloudy or has gelled the peptide may be in suspension rather than solubilised.
- Peptides containing cysteine are easily oxidised, so should be prepared in solution just prior to use.

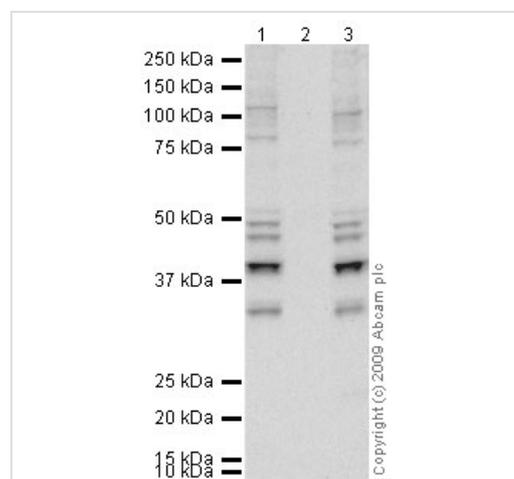
前処理および保存

保存方法および安定性 Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

関連情報

| | |
|--------------|---|
| 機能 | 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 Expip may play a role in the early onset of apoptosis. |
| 組織特異性 | Brain, heart, placenta, pancreas and skeletal muscle. Expressed to a lesser extent in lung, liver and kidney. |
| 配列類似性 | Belongs to the protein kinase superfamily. CMGC Ser/Thr protein kinase family. MAP kinase subfamily. Contains 1 protein kinase domain. |
| ドメイン | The TXY motif contains the threonine and tyrosine residues whose phosphorylation activates the MAP kinases. |
| 翻訳後修飾 | Dually phosphorylated on Thr-180 and Tyr-182, which activates the enzyme. Phosphorylated upon DNA damage, probably by ATM or ATR. |
| 細胞内局在 | Cytoplasm. Nucleus. |

画像



Western blot - Human p38 (phospho T180 + Y182) peptide (ab58397)

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