

## Product datasheet

# Anti-ERK2 antibody ab14018

### 画像数 1

#### 製品の概要

製品名	Anti-ERK2 antibody
製品の詳細	Chicken polyclonal to ERK2
由来種	Chicken
アプリケーション	<b>適用あり:</b> WB
種交差性	<b>交差種:</b> Mouse, Rat, Human
免疫原	Recombinant fragment, corresponding to amino acids 232-360 of Human ERK2.

#### 製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
バッファー	Preservative: None Constituents: PBS
精製度	Immunogen affinity purified
特記事項(精製)	Peptide immunogen affinity column
ポリ/モノ	ポリクローナル
アイソタイプ	IgY

#### アプリケーション

Our [Abpromise guarantee](#) covers the use of **ab14018** 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	Abreviews	特記事項
WB		1/500. Predicted molecular weight: 41 kDa.

#### ターゲット情報

**機能** Involved in both the initiation and regulation of meiosis, mitosis, and postmitotic functions in

differentiated cells by phosphorylating a number of transcription factors such as ELK1. Phosphorylates EIF4EBP1; required for initiation of translation. Phosphorylates microtubule-associated protein 2 (MAP2). Phosphorylates SPZ1 (By similarity). Phosphorylates heat shock factor protein 4 (HSF4) and ARHGEF2.

Acts as a transcriptional repressor. Binds to a [GC]AAA[GC] consensus sequence. Repress the expression of interferon gamma-induced genes. Seems to bind to the promoter of CCL5, DMP1, IFIH1, IFITM1, IRF7, IRF9, LAMP3, OAS1, OAS2, OAS3 and STAT1. Transcriptional activity is independent of kinase activity.

#### 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.

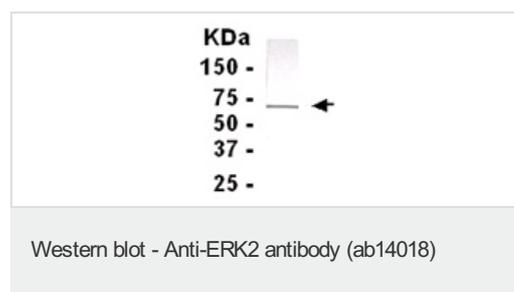
#### 翻訳後修飾

Dually phosphorylated on Thr-185 and Tyr-187, which activates the enzyme. Dephosphorylated by PTPRJ at Tyr-187.

#### 細胞内局在

Nucleus.

#### 画像



*E coli*-derived fusion protein as test antigen.  
Affinity-Purified IgY dilution: 1/2000, Goat anti-IgY-HRP dilution: 1/1000. Colorimetric method for signal development

*E coli*-derived fusion protein as test antigen.  
Affinity-Purified IgY dilution: 1/2000, Goat anti-IgY-HRP dilution: 1/1000. Colorimetric method for signal development

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- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
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