

## Product datasheet

# Anti-ERK1 + ERK2 antibody [SB46b] (HRP) ab82525

### 製品の概要

製品名	Anti-ERK1 + ERK2 antibody [SB46b] (HRP)
製品の詳細	Mouse monoclonal [SB46b] to ERK1 + ERK2 (HRP)
由来種	Mouse
標識	HRP
アプリケーション	適用あり: WB, IP
種交差性	交差種: Human
免疫原	Recombinant full length Human ERK1 + ERK2

### 製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C.
バッファー	Preservative: None Constituents: 50% PBS, 50% Glycerol, pH 7.4
精製度	IgG fraction
ポリ/モノ	モノクローナル
クローン名	SB46b
アイソタイプ	IgG2a

### アプリケーション

Our [Abpromise guarantee](#) covers the use of **ab82525** 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		Use at an assay dependent concentration. Predicted molecular weight: 42 , 44 kDa.
IP		Use at an assay dependent dilution.

<b>機能</b>	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.
<b>配列類似性</b>	Belongs to the protein kinase superfamily. CMGC Ser/Thr protein kinase family. MAP kinase subfamily. Contains 1 protein kinase domain.
<b>ドメイン</b>	The TXY motif contains the threonine and tyrosine residues whose phosphorylation activates the MAP kinases.
<b>翻訳後修飾</b>	Dually phosphorylated on Thr-185 and Tyr-187, which activates the enzyme. Dephosphorylated by PTPRJ at Tyr-187.
<b>細胞内局在</b>	Nucleus.

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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