

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.

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.

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