

Product datasheet

Anti-JNK3 antibody ab87404

★★★★★ 1 Abreviews 1 References 画像数 1

製品の概要

製品名	Anti-JNK3 antibody
製品の詳細	Rabbit polyclonal to JNK3
由来種	Rabbit
アプリケーション	適用あり: WB
種交差性	交差種: Mouse, Rat, Human 交差が予測される動物種: Cow, Orangutan 
免疫原	Synthetic peptide corresponding to Human JNK3 aa 300-400 conjugated to Keyhole Limpet Haemocyanin (KLH). (Peptide available as ab101295 , ab101295)
ポジティブ・コントロール	This antibody gave a positive signal in U87mg whole cell lysate as well as the following tissue lysates: Human brain; Human spinal cord; Mouse hippocampus; Mouse cerebellum; Rat hippocampus; Rat cerebellum.

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
バッファー	Preservative: 0.02% Sodium Azide Constituents: 1% BSA, PBS, pH 7.4
精製度	Immunogen affinity purified
ポリ/モノ	ポリクローナル
アイソタイプ	IgG

アプリケーション

Our [Abpromise guarantee](#) covers the use of **ab87404** in the following tested applications.

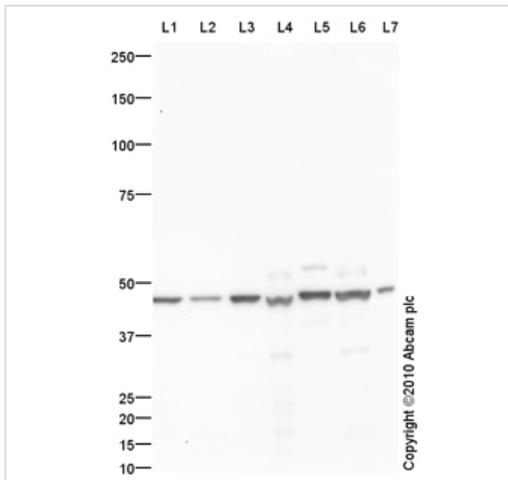
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

アプリケーション	Abreviews	特記事項
WB	★★★★★	Use a concentration of 1 µg/ml. Detects a band of approximately 48 kDa (predicted molecular weight: 52 kDa).

ターゲット情報

機能	Responds to activation by environmental stress and pro-inflammatory cytokines by phosphorylating a number of transcription factors, primarily components of AP-1 such as c-Jun and ATF2 and thus regulates AP-1 transcriptional activity. Required for stress-induced neuronal apoptosis and the pathogenesis of glutamate excitotoxicity.
組織特異性	Specific to a subset of neurons in the nervous system. Present in the hippocampus and areas, cerebellum, striatum, brain stem, and weakly in the spinal cord. Very weak expression in testis and kidney.
関連疾患	Defects in MAPK10 are a cause of epileptic encephalopathy Lennox-Gastaut type (EELG) [MIM:606369]. Epileptic encephalopathies of the Lennox-Gastaut group are childhood epileptic disorders characterized by severe psychomotor delay and seizures. Note=A chromosomal aberration involving MAPK10 has been found in a single patient. Translocation t(Y;4)(q11.2;q21) which causes MAPK10 truncation.
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-221 and Tyr-223, which activates the enzyme. Weakly autophosphorylated on threonine and tyrosine residues in vitro.
細胞内局在	Cytoplasm.

画像



Western blot - Anti-JNK3 antibody (ab87404)

All lanes : Anti-JNK3 antibody (ab87404) at 1 µg/ml

Lane 1 : Human brain tissue lysate - total protein ([ab29466](#))

Lane 2 : Human spinal cord tissue lysate - total protein ([ab29188](#))

Lane 3 : Mouse Hippocampus Tissue Lysate

Lane 4 : Cerebellum Mouse Tissue Lysate

Lane 5 : U-87 MG (Human glioblastoma astrocytoma) Whole Cell Lysate

Lane 6 : Rat Hippocampus Tissue Lysate

Lane 7 : Cerebellum Rat Tissue Lysate

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) preadsorbed ([ab97080](#)) at 1/5000 dilution

Predicted band size: 52 kDa

Observed band size: 48 kDa

Additional bands at: 34 kDa, 52 kDa. We are unsure as to the identity of these extra bands.

The predicted molecular weight of MAPK10 is 52 kDa (SwissProt), however we expect to observe a banding pattern at 48 kDa. Abcam welcomes customer feedback and would appreciate any comments regarding this product and the data presented above.

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