ERK1/2 monoclonal antibody (12D4)

This antibody is covered by our Worry-Free Guarantee.

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ALX-804-061-C100	100µg

Manuals, SDS & CofA View Online »

Handling & Storage

Use/Stability	Stable at -80°C up to 1 year, at 4°C up to 3 months.
Handling	Avoid freeze/thaw cycles. After reconstitution, prepare aliquots and freeze in liquid nitrogen.
Long Term Storage	-20°C
Shipping	Blue Ice

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	MAPK2/3, MAP kinase 2/3
Application	ELISA, ICC, IHC, IP, WB
Clone	12D4
Crossreactivity	Does not cross-react with activated JNK or p38.
Formulation	Lyophilized from 1ml of 2x PBS containing 0.09% sodium azide, PEG, and sucrose.
Host	Mouse
Immunogen	Peptide comprising the pThr-Glu-pTyr motif in activated ERK1 and ERK2 conjugated to KLH.
Isotype	IgG1
Positive Control	Included. (Prod. No. ALX-840-025)
Purity Detail	Thiophilic adsorption and size exclusion chromatography purified.

Recommendation Dilutions/Conditions	Immunocytochemistry (1-10µg/ml)Immunoprecipitation (1-10µg per 106 pervanadate-treated A431 or HepG2 cells)Western Blot (0.5µg/ml for HRPO/ECL detection; recommended blocking buffer CPPT: 10mM TRIS-HCl, pH 7.4, 0.5% (w/v) casein, 1% (w/v) PEG 4,000, 1% (w/v) polyvinylpyrrolidone, 0.1% (v/v) Tween 20, 150mM sodium chloride)Suggested dilutions/conditions may not be available for all applications.Optimal conditions must be determined individually for each application.
Reconstitution	Reconstitute with 1ml water (15 minutes at room temperature).
Species Reactivity	Dog, Human, Mouse, Rat
Specificity	Recognizes the pThr-Glu-pTyr motif of activated ERK1 and ERK2. Requires phosphorylation both at the threonine and the tyrosine site and does not cross-react with the non-phosphorylated form of the protein.
Technical Info / Product Notes	Replacement for **ADI-905-651**
UniProt ID	P27361 (Erk1), P28482 (Erk2)
Worry-free Guarantee	**This antibody is covered by our Worry-Free Guarantee .**

Last modified: May 29, 2024

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