

## Monoclonal Antibody to MAPK3 / ERK1 (pT-E-pY Motif) (incl. pos. control) - FITC

<b>Alternate names:</b>	ERK-1, ERT2, Extracellular signal-regulated kinase 1, Insulin-stimulated MAP2 kinase, MAP kinase 3, MAP kinase isoform p44, MAPK 3, Microtubule-associated protein 2 kinase, Mitogen-activated protein kinase 1, Mitogen-activated protein kinase 3, PRKM3, p44-ERK1, p44-MAPK
<b>Catalog No.:</b>	AM00084FC-N
<b>Quantity:</b>	0.1 mg
<b>Concentration:</b>	0.5 mg/ml
<b>Background:</b>	Extracellular signal/mitogen activated protein kinases (erk/MAPK) are a group of proline-directed serine/threonine kinases that are activated by dual phosphorylation of conserved threonine and tyrosine residues within a characteristic T X Y peptide motif. The mitogen-activated kinases erk1 (MAPK1) and erk2 (MAPK2) acquire full enzymatic activity upon phosphorylation of both threonine and tyrosine residues within the sequence motif T E Y.
<b>Uniprot ID:</b>	<a href="#">P27361</a>
<b>NCBI:</b>	<a href="#">NP_001035145.1</a>
<b>GeneID:</b>	<a href="#">5595</a>
<b>Host / Isotype:</b>	Mouse / IgG1
<b>Clone:</b>	12D4
<b>Immunogen:</b>	Synthetic phosphopeptide conjugated to KLH. Epitope: ...pT-E-pY... <b>Remarks:</b> Mol. Weight: 42-44 kDa
<b>Format:</b>	<b>State:</b> Liquid purified IgG <b>Purification:</b> Subsequent thiophilic adsorption and size exclusion chromatography <b>Buffer System:</b> PBS/0.09% Na-Azide/PEG and Sucrose <b>Label:</b> FITC
<b>Applications:</b>	Immunocytochemistry: 1 - 10 µg/ml. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	This antibody specifically interacts with the pThr - Glu - pTyr motif of activated MAP kinases 1 and 2 (erk1/2). T he antibody requires phosphorylation both at the threonine and the tyrosine site and does not interact with the non-phosphorylated form of the protein. Mab MAPK-12D4 shows no crossreaction with activated SAP kinases 1 or 2. <b>Species:</b> Human, Mouse, Rat, Dog. Other species not tested.

**For research and in vitro use only. Not for diagnostic or therapeutic work.**

Material Safety Datasheets are available at [www.acris-antibodies.com](http://www.acris-antibodies.com) or on request.

Antibody Hotline - Technical Questions - Antibody Location Service  
Free Call: 0800-2274746 (Germany only) - [www.acris-antibodies.com](http://www.acris-antibodies.com)



**Storage:**

Aliquote and freeze in liquid nitrogen.  
Avoid repeated freezing and thawing.  
Shelf life: one year from despatch.  
Thaw aliquots at 37°C. Thawed aliquots may be stored at 4°C up to 3 months.  
Protect from light.

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