

## Mouse Monoclonal Antibody to

# MAPK2/erk2 (C-terminus)

## clone 6G11

## biotinylated

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Order No.: 0011-100BIOTIN/MAPK2-6G11

Size (µg) 100

Lot No.: 0011S

02/150307F

Isotype	Species Reactivity	Applications	Mol. Weight	Ref.Cell Line	Epitope	Immunogen
IgG1	human, mouse, rat, dog	WB, ELISA, IP	42 kDa	HepG2	C-terminus	peptide conjugated to KLH

### Background and Specificity:

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**.

**Mab MAPK2-6G11** specifically recognizes the C-terminus of MAP kinase 2 (erk2). The antibody does not crossreact with MAP kinase 1 (erk1).

### Related Products

**mab to MEK1 (pS218/222)**  
**mab to MEK2 (pS222/226)**  
 #0174-100/MEK1/2-7E10  
**mab to MEK1 (N-terminus)**  
 #0186-100/MEK1.10B1  
**mab to MEK1/2**  
 #0150-100/MEK1/2-9G3  
**mab to MEK2 (N-terminus)**  
 #0148-100/MEK2-8E8  
**mab to MKK3 (N-terminus)**  
 #0166-100/MKK3-5F7  
**mab to MKK5 (N-terminus)**  
 #0224-100/MKK5-14B5  
**mab to MKK7 (N-terminus)**  
 #0189-100/MKK7-10F7  
**mab to MAPK 1/2 (pT-E-pY)**  
 #0012-100/MAPK-12D4  
**mab to MAPK 2 (N-terminus)**  
 #0178-100/MAPK-6H3  
**mab to MAPK 2 (internal sequence)**  
 #0239-100/MAPK2-12A4  
**mab to MAPK7/erk5**  
 #0223-100/MAPk7/erk5-12F2  
**mab to Fos (pS374)**  
 #0118-100/Fos-34E4  
**mab to Fos (N-terminus)**  
 #0122-100/Fos-8B5  
**mab to C-Raf (pS621)**  
 #0102-100/C-Raf-6B4  
**mab to C-Raf**  
 #0120-100/C-Raf-PBB-1

**Purification:** The antibody was purified from serum-free cell culture supernatant by subsequent thiophilic adsorption and size exclusion chromatography.

**Formulation:** liquid, 0.25 mg/ml in PBS/0,09% Na-Azide/PEG and Sucrose

### Reconstitution:

**Stability:** Aliquote and freeze in liquid nitrogen; antibody can be stored frozen at -80°C up to 1 year. Thaw aliquots at 37°C. Thawed aliquots may be stored at 4°C up to 3 months

**Avoid repeated freeze / thaw cycle.**

**Positive Control:** #0811: Cell lysate from untreated HepG2 cells

**Immunoblotting:** 0.5 µg/ml for HRPO/ECL detection  
**Recommended blocking buffer:** Casein/Tween 20 based blocking and blot incubation buffer, e.g. nanoTools product #3031-500/CPPT or #3031-3000/CPPT.

**Immunoprecipitation:** use at 1 - 10 µg/ml per 10<sup>6</sup> pervanadate-treated A431cells

**Immunocytochemistry:** ND

**ELISA:** use at 0.05 µg/ml

All products are supplied for research and investigational use only. Not for use in humans or laboratory animals.