

## Datasheet

### MAPK1 monoclonal antibody (M01), clone 1D1

**Catalog Number:** H00005594-M01

**Regulatory Status:** For research use only (RUO)

**Product Description:** Mouse monoclonal antibody raised against a full length recombinant MAPK1.

**Clone Name:** 1D1

**Immunogen:** MAPK1 (AAH17832, 261 a.a. ~ 360 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

**Sequence:**

RNYLLSLPHKNKVPWNRLFNPADSKALDLLDKMLTFN  
PHKRIEVEQALAHPLYEQYYDPSDEPIAEAPFKFDMEL  
DDLPEKCLKELIFEETARFQPGYRS

**Host:** Mouse

**Reactivity:** Human

**Applications:** ELISA, IF, PLA-Ce, S-ELISA, WB-Ce, WB-Re

(See our web site product page for detailed applications information)

**Protocols:** See our web site at

<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

**Isotype:** IgG1 kappa

**Storage Buffer:** In 1x PBS, pH 7.4

**Storage Instruction:** Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

**Entrez GeneID:** 5594

**Gene Symbol:** MAPK1

**Gene Alias:** ERK, ERK2, ERT1, MAPK2, P42MAPK, PRKM1, PRKM2, p38, p40, p41, p41mapk

**Gene Summary:** The protein encoded by this gene is a member of the MAP kinase family. MAP kinases, also

known as extracellular signal-regulated kinases (ERKs), act as an integration point for multiple biochemical signals, and are involved in a wide variety of cellular processes such as proliferation, differentiation, transcription regulation and development. The activation of this kinase requires its phosphorylation by upstream kinases. Upon activation, this kinase translocates to the nucleus of the stimulated cells, where it phosphorylates nuclear targets. Two alternatively spliced transcript variants encoding the same protein, but differing in the UTRs, have been reported for this gene. [provided by RefSeq]