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## Erk2 Mouse mAb

Catalog Number: bsm-51555M

Target Protein: Erk2

Concentration: 1mg/ml

Form: Liquid

Host: Mouse

Clonality: Monoclonal

Clone No.: D2F12

Isotype: IgG1,k

Applications: WB (1:500-2000)

Reactivity: Human, Mouse, Rat (predicted:Cow, Xenopus)

Predicted MW: 42 kDa

Entrez Gene: 5594

Swiss Prot: P28482

Source: KLH conjugated synthetic peptide derived from human Erk2: 101-200/360.

Purification: affinity purified by Protein G

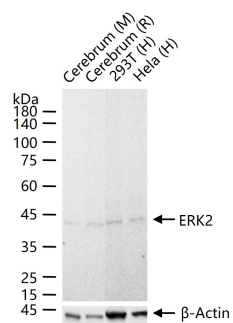
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

**Background:** The protein encoded by this gene is a member of the MAPkinase family. MAP kinases, also known as extracellular signal-regulated kinases (ERKs), act in a signaling cascade that regulates various cellular processes such as proliferation, differentiation, and cell cycle progression in response to a variety of extracellular signals. This kinase is activated by upstream kinases, resulting in its translocation to the nucleus where it phosphorylates nuclear targets. Alternatively spliced transcript variants encoding different protein isoforms have been described. [provided by RefSeq, Jul 2008].

### VALIDATION IMAGES

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25 ug total protein per lane of various lysates (see on figure) probed with ERK2 monoclonal antibody, unconjugated (bsm-51555M) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.