**Catalog No. LF-MA0183**

MONOCLONAL ANTIBODY

# Anti-RSK1 (p90RSK1) (8C12)

**Background** : The p90 ribosomal S6 kinases (RSKs) comprise a family of serine/threonine kinases that lie at the terminus of the ERK pathway. In humans, the RSK family consists of four isoforms (RSK1 to -4). RSK family members are unusual among serine/threonine kinases in that they contain two distinct kinase domains, both of which are catalytically functional. Theses kinase dimains are activated in a sequential manner by a series of phosphorylations. RSK regulates gene expression via association and phosphorylation of transcriptional regulators including c-Fos, estrogen receptor, NFkappaB/IkappaB alpha, cAMP-response element-binding protein (CREB).

**Immunogen** : Recombinant human protein purified from E.coli (His-RSK1)

**Host** : Mouse

**Clone number** : 8C2

**Isotype** : IgG1, k

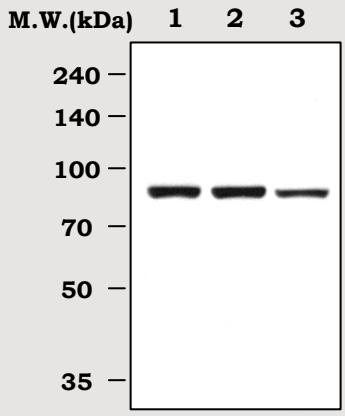
**Size** : 100 μℓ

**Compositon** : Hepes with 0.15M NaCl, 0.01% BSA, 0.03% sodium azide, and 50% glycerol

**Positive control** : A431 cell lysate

**Storage** : Store for 1 year at –20℃ from date of shipment.

| Species cross reactivity | | |
|---|---|---|
| **Human** | **Mouse** | **Rat** |
| + | + | + |




**Immunoblot Analysis** of cell lysates
Lane 1 : HeLa cell lysate
Lane 2 : A431 cell lysate
Lane 3 : C6 cell lysate

**Applications :**
ELISA
Western Blotting(1: 2,000)
Immunoprecipitation (0.5 μℓ/400 μℓ cell lysates)

**Background Reference :**
1) Roux, P. P. et al., 2003, Mol Cell Biol. 23: 4796–4804
2) Frodin, M. and Gammeltoft ,S., 1999, Mol Cell Endocrinol. 151:65-77
3) Fisher, T. L. and Blenis, J., 1996, Mol. Cell. Biol. 16:1212-1219



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