

Catalog No. LF-PA0051

POLYCLONAL ANTIBODY



Anti-MSK2 **(Anti-Mitogen and stress activated protein kinase 2)**

Background : Mitogen- and stress-activated protein kinases (MSK2) is nuclear kinase that act downstream of mitogen-activated protein/extracellular signal-regulated kinase pathways. It contains two kinase domains in the N-terminal and C-terminal region, respectively. MSK2 is activated in response to mitogenic stimuli via Erk1/2MAPK pathway and also by stress stimuli via p38MAPK pathway. Signals from mitogens and cellular stresses are involved in many functions including cell proliferation, differentiation, and survival through the phosphorylation of cyclic AMP response element-binding protein (CREB) at Ser133 which is catalyzed by MSK2. Recently, MSK2 has been shown to be required for stress-induced phosphorylation of histone H3-Ser and transcriptional activation of several immediate early genes.

Immunogen : Synthetic peptide

Host : Rabbit

Type : Purified

Isotype : IgG

Size : 100µl

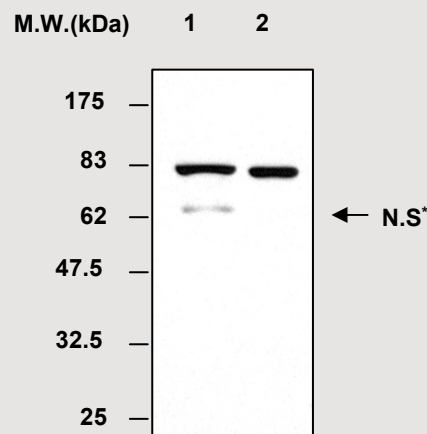
Composition : PBS containing 50% glycerol

Positive control : 293T cell lysate

Storage : Store for 1 year at -20°C from date of shipment

Species cross reactivity

Human	Mouse	Rat
+	-	-



Immunoblot Analysis of cell lysates
Lane 1 : A431 cell lysate
Lane 2 : 293T cell lysate

* N.S : Non-Specific band

Applications :

Western blotting (1:2,000)

Immunoprecipitation was not tested

Background Reference :

- 1) Duncan EA et al, J Biol Chem. 2006; vol.281(18): pp.12521-5.
- 2) Soloaga A et al, EMBO J. 2003; vol.22(11): pp.2788-97.
- 3) Wiggin GR et al, Mol Cell Biol. 2002; vol.22(8): pp.2871-81.

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