
anti-c-Mos

Cat #: HM1230
Rabbit polyclonal IgG
0.2 µg/µl, store at 4 °C

For research use only

BACKGROUND

The c-Mos proto-oncogene is the cellular homologue of the v-mos oncogene, a product of Moloney murine sarcoma virus. It encodes a 39 kD protein with serine-threonine kinase activity. c-Mos plays an important role in oocyte maturation, in which, as a component of the cytostatic factor, c-Mos functions during oocyte maturation by stabilizing or activating the maturation promoting factor (MPF) complex. c-Mos is an activator of the MAPK pathway, possibly through direct phosphorylation of the MAPKK MEK-1.

SPECIFICITY

The antibody reacts with c-mos of mouse, rat and human origin by Western blotting, immunoprecipitation and immunohistochemistry.

IMMUNOGEN

A recombinant protein corresponding to human c-Mos.

STORAGE

This antibody is stable for 12 months when stored at 2-8°C.

REFERENCE

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3. Okazaki, K. and Sagata, N. 1995. MAP kinase activation is essential for oncogenic transformation of NIH3T3 cells by Mos. Oncogene 10: 1149-1157.
4. Chen, M. and Cooper, J.A. 1995. Ser-3 is important for regulating Mos interaction with and stimulation of mitogen activated protein kinase kinase. Mol. Cell. Biol. 15: 4727-4734.
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6. Singh, B. and Arlinghaus, R.B. 1997. Mos and the cell cycle. Prog Cell Cycle Res 3, 251-259.

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