
Anti-Egr-1

Cat #: HM1124
Rabbit polyclonal IgG
0.2 µg/µl, store at 4 °C

For research use only

BACKGROUND

Egr-1 belongs to the EGR family of C2H2-type zinc-finger proteins. Other members include Egr-2, Egr-3, Egr-4 and a related anti-oncogene expressed in Wilms' tumors. They are nuclear proteins with zinc finger DNA-binding domains closely resembling that of the well characterized transcription factor Sp1. One function of Egr-1 may be to downregulate certain mammalian gene promoters by competing with Sp1 for binding to an overlapping binding motif. Studies suggest Egr-1 is a cancer suppressor gene.

SPECIFICITY

This antibody specifically reacts with Egr-1 p82 (also designated Krox-24 and Zif268) of mouse, rat and human origin.

It can be used in Western blotting, immunoprecipitation and immunohistochemistry; not cross-reactive with Egr-2, Egr-3, Egr-4 or the Wilms' tumor proteins.

Molecular weight of Egr-1: 80 kDa. Western blotting positive control: NIH/3T3 cells.

IMMUNOGEN

A peptide at the carboxy terminus of human Egr-1.

STORAGE

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

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