
anti- IRAK-1

Cat #: HM1198
Rabbit polyclonal IgG
0.2 µg/µl, store at 4 °C

For research use only

BACKGROUND

Binding of IL-1 to its cognate receptor results in the activation of the NFκB signaling pathway. A 100 kDa IL-1-dependent kinase termed IRAK (for IL-1 receptor- associated kinase) coimmunoprecipitates with activated IL-1RI and has been implicated as an upstream mediator of NFκB activation. Additional support for this assertion comes from the fact that a related *Drosophila* protein, Pelle, is a known upstream activator of Dorsal, the *Drosophila* homolog of NFκB.

SPECIFICITY

The antibody can be used in Western blotting, immunoprecipitation and immunohistochemistry.

Molecular Weight of IRAK-1: 80 kDa
Western blotting positive controls: HeLa

IMMUNOGEN

A recombinant protein corresponding to the carboxy terminus of human IRAK-1.

STORAGE

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

REFERENCES

1. Dower, S.K., Sims, J.E., Cerretti, D.P., and Bird, T.A. 1992. The interleukin-1 system: receptors, ligands and signals.
2. Ishizaka, K., Lachman, P.J., Lerner, R., and Waksman, B.H., eds. Interleukins: Molecular Biology and Immunology. S.
3. Croston, G.E., Cao, Z., and Goeddel, D.V. 1995. NFκB activation by interleukin-1 (IL-1) requires an IL-1 receptor-associated protein kinase activity. *J. Biol. Chem.* 270: 16514-16517.
4. 7. Cao, Z., Henzel, W.J., and Gao, X. 1996. IRAK: a kinase associated with the interleukin-1 receptor. *Science* 271: 1128-1131.

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