

anti- IL-1R1

Cat #: HM1185
Rabbit polyclonal IgG
0.2 µg/µl, store at 4 °C

For research use only

BACKGROUND

Interleukin-1 (IL-1 α and IL-1 β) binds two distinct IL-1 receptors, type I and type II. They belong to the Ig superfamily and are widely expressed in a broad range of cells and tissues. The type I IL-1 receptor is an 80 kDa protein that consists of three extracellular IgG-like domains, a short transmembrane domain and a relatively large cytoplasmic domain. The type II receptor has a short 29 amino acid cytoplasmic domain that does not seem sufficient for signaling. IL-1 may signal exclusively through the type I IL-1R. Among the activities regulated by IL-1 are fever, acute phase responses, degradation of connective tissue and immunostimulatory activities.

SPECIFICITY

This antibody specifically reacts with IL-1R1 of human, mouse and rat origin.

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

Molecular Weight IL-1RI: 80 kDa.

IMMUNOGEN

A synthetic peptide derived from N-terminus of human IL-1R1.

STORAGE

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

REFERENCES

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