

anti-Rat IL3 Polyclonal Antibody | anti-IL3 antibody

Anti-IL3 Antibody

CATALOG # AAA46584	REACTIVITY Rat	APPLICATIONS ELISA, Western Blot
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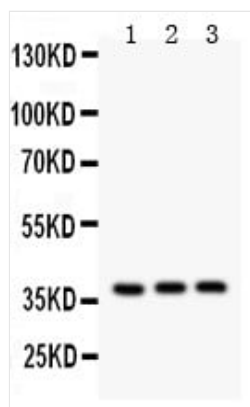
PRODUCT SYNONYMS

IL3; Polyclonal Antibody; Anti-IL3 Antibody; Interleukin-3; Colony stimulating factor multiple; Hematopoietic growth factor; IL 3; IL-3; IL3_HUMAN; Interleukin 3 (colony stimulating factor; multiple); Interleukin 3; Mast cell growth factor; MCGF; MGC79398; MGC79399; Multi CSF; Multilineage colony stimulating factor; Multipotential colony stimulating factor; Multipotential colony-stimulating factor; OTTHUMP00000065963; P cell stimulating factor; P-cell-stimulating factor; interleukin 3; anti-IL3 antibody

PRODUCT SPECIFICATIONS

Reactivity	Rat
Clonality	Polyclonal
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized. Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Sequence Length	166
Applicable Applications for anti-IL3 antibody	ELISA, WB (Western Blot)
Immunogen	E Coli-derived rat IL3 recombinant protein (Position: S28-C166). Rat IL3 shares 32% and 55% amino acid (aa) sequence identity with human and mouse IL3, respectively.
Ig Type	Rabbit IgG
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquoted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



WB (Western Blot)

Anti- IL-3 antibody, Western blottingAll lanes: Anti IL-3 at 0.5ug/mlLane 1: PC-12 Whole Cell Lysate at 40ugLane 2: NRK Whole Cell Lysate at 40ugLane 3: RH35 Whole Cell Lysate at 40ugPredicted bind size: 17KDObserved bind size: 37KD



WB (Western Blot)

Anti- IL-3 antibody, Western blottingAll lanes: Anti IL-3 at 0.5ug/mlWB: Recombinant Rat IL-3 Protein 0.5ngPredicted bind size: 15KDObserved bind size: 15KD

ADDITIONAL INFORMATION

Related Product Information for anti-IL3 antibody	Description: Rabbit IgG polyclonal antibody for Interleukin-3(IL3) detection. Tested with WB, ELISA in Rat. Background: Interleukin 3, also known as IL-3, is a protein that in humans is encoded by the IL3 gene. It is mapped to 5q31.1. IL-3 is an interleukin, a type of biological signal (cytokine) that can improve the body's natural response to disease as part of the immune system. It acts by binding to the interleukin-3 receptor. IL-3 stimulates the differentiation of multipotent hematopoietic stem cells into myeloid progenitor cells or, with the addition of IL-7, into lymphoid progenitor cells. In addition, IL-3 stimulates proliferation of all cells in the myeloid lineage (granulocytes, monocytes, and dendritic cells), in conjunction with other cytokines, e.g., Erythropoietin (EPO), Granulocyte macrophage colony-stimulating factor (GM-CSF), and IL-6. IL-3 is secreted by basophils and activated T cells to support growth and differentiation of T cells from the bone marrow in an immune response.
References	1. Yang YC, Ciarletta AB, Temple PA, Chung MP, Kovacic S, Witek-Giannotti JS, Leary AC, Kriz R, Donahue RE, Wong GG (October 1986). "Human IL-3 (multi-CSF): identification by expression cloning of a novel hematopoietic growth factor related to murine IL-3". Cell 47 (1): 3-10. 2. Webb, G. C., Lee, J. S., Campbell, H. D., Young, I. G. The genes for interleukins 3 and 5 map to the same locus on mouse chromosome 11. Cytogenet. Cell Genet. 50: 107-110, 1989.

NCBI AND UNIPROT INFORMATION

NCBI GI #	124334
NCBI GeneID	24495
UniProt Accession #	P04823; P70513
Molecular Weight	18,631 Da
NCBI Official Full Name	Interleukin-3
NCBI Official Synonym Full Names	interleukin 3
NCBI Official Symbol	IL3
NCBI Protein Information	interleukin-3
UniProt Protein Name	Interleukin-3
UniProt Gene Name	IL3
UniProt Synonym Gene Names	IL-3; IL-3; MCGF
UniProt Entry Name	IL3_RAT

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.