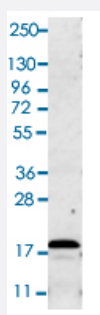


Il1b polyclonal antibody

Catalog # PAB16928

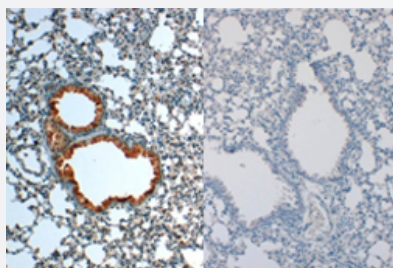
Size 100 ug

Applications



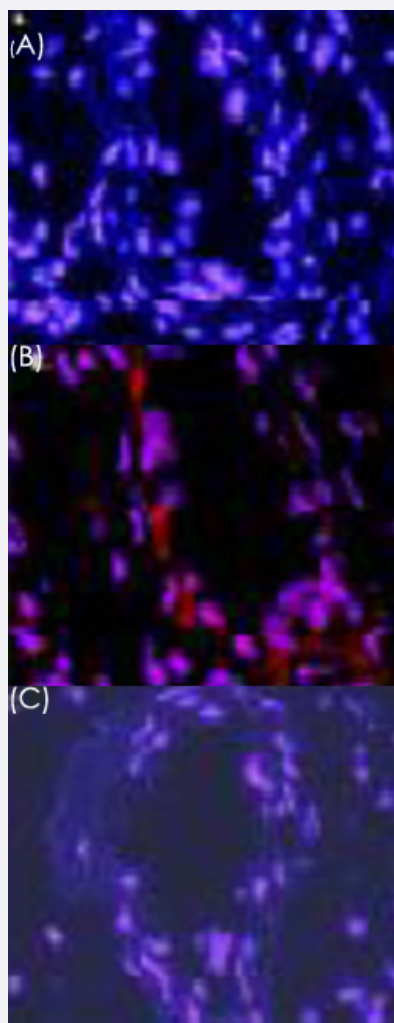
Western Blot

This antibody will recognize 10% of the non-denatured (native) precursor 31,000 MW mouse Il1b containing samples but will primarily detect all of the 17,000 MW mature molecule. However, in western blot analysis, the usual procedure of heating the sample in SDS with or without reducing agents will facilitate denaturing of the 31,000 MW Il1b precursor molecule. Denatured Il1b will have a 18 kDa band.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemistry of Il1b polyclonal antibody in mouse embryonic kidney tissue.



Immunofluorescence

Immunofluorescence microscopy after staining of mouse carotid artery tissue with Il1b polyclonal antibody diluted 1:50. Panel (A) shows no antibody staining of WT uninjured mouse carotid tissue. Panel (B) shows anti-Il1b staining of cells after surgical injury of tissue. Panel (C) shows no antibody staining of injured carotid tissue from an Il1b KO mouse.

Specification

Product Description	Rabbit polyclonal antibody raised against full length recombinant Il1b.
Immunogen	Recombinant protein corresponding to mouse Il1b.
Host	Rabbit
Reactivity	Mouse, Rat
Form	Lyophilized

Recommend Usage

Flow Cytometry
ELISA (1:1000-5000)
Fluorescence Microscopy Experiment (1:50-250)
Immunohistochemistry (1:50-250)
Immunoprecipitation (1:200-800)
Neutralization
Western Blot (1:500-2000)
The optimal working dilution should be determined by the end user.

Storage Buffer

Lyophilized from 20 mM KH_2PO_4 , 150 mM NaCl, pH 7.2

Storage Instruction

Store at 4°C on dry atmosphere.
After reconstitution with 0.1 mL of deionized water, store at -20°C or lower.
Aliquot to avoid repeated freezing and thawing.

Applications

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- Immunoprecipitation

- Enzyme-linked Immunoabsorbent Assay

- Flow Cytometry

- Neutralization

Gene Info — Il1b

Entrez GeneID

[16176](#)

Protein Accession#	P10749
Gene Name	Il1b
Gene Alias	IL-1beta, IL-1b
Gene Description	interleukin 1 beta
Gene Ontology	Hyperlink
Gene Summary	beta
Other Designations	OTTMUSP00000016525 interleukin 1, beta

Publication Reference

- [CB2R orchestrates fibrogenesis through regulation of inflammatory response during the repair of skeletal muscle contusion.](#)

Zhang M, Jiang SK, Tian ZL, Wang M, Zhao R, Wang LL, Li SS, Liu M, Li JY, Zhang MZ, Guan DW.

International Journal of Clinical & Experimental Pathology 2015 Apr; 8(4):3491.

Application: WB-Ce, Rat, Skeletal muscle samples

- [Characterization of murine IL-1 beta. Isolation, expression, and purification.](#)

Huang JJ, Newton RC, Rutledge SJ, Horuk R, Matthew JB, Covington M, Lin Y.

Journal of Immunology 1988 Jun; 140(11):3838.

Application: ELISA, Neutralization, WB-Re, Recombinant proteins

- [The murine interleukin 1 beta gene: structure and evolution.](#)

Telford JL, Macchia G, Massone A, Carinci V, Palla E, Melli M.

Nucleic Acids Research 1986 Dec; 14(24):9955.

- [Two interleukin 1 genes in the mouse: cloning and expression of the cDNA for murine interleukin 1 beta.](#)

Gray PW, Glaister D, Chen E, Goeddel DV, Pennica D.

Journal of Immunology 1986 Dec; 137(11):3644.