

Rabbit IL10 Polyclonal Antibody | anti-IL10 antibody

IL10 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA31129	Rabbit	Human, Mouse, Rat	Western Blot, Immunohistochemistry, Immunofluorescence, Immunocytochemistry

PRODUCT SYNONYMS

IL10; Polyclonal Antibody; IL10 Antibody; CSIF; Cytokine synthesis inhibitory factor; GVHDS; IL 10; IL-10; IL10_HUMAN; IL10A; Interleukin 10; Interleukin-10; MGC126450; MGC126451; T-cell growth inhibitory factor; TGIF; anti-IL10 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Peptide affinity chromatography using SulfoLink Coupling Resin
Form/Format	Phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-IL10 antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), ICC (Immunocytochemistry)
Application Notes	WB: 1:500 - 1:2000 IHC: 1:50 - 1:200 IF/ICC: 1:100 - 1:500 The optimal dilutions should be determined by the end user. IMPORTANT: For western blot, incubate membrane with diluted primary Ab in 5% w/v milk, 1X TBS, 0.1% Tween20 at 4°C with gentle shaking overnight.
Immunogen	A synthesized peptide derived from human IL10, corresponding to a region within the internal amino acids.
Preparation and Storage	Store at -20°C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)

AAA31129 at 1/100 staining Rat ovary tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IF (Immunofluorescence)

AAA31129 staining HepG2 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25°C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37°C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



WB (Western Blot)

Western blot analysis of extracts of jk2 line, using IL10 antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-IL10 antibody	IL-10 is an anti-inflammatory cytokine that is produced by T cells, NK cells and macrophages. IL-10 initiates signal transduction by binding to a cell surface receptor complex consisting of IL-10 RI and IL-10 RII. Binding of IL-10 leads to the activation of Jak1 and Tyk2, which phosphorylates Stat-3. The anti-inflammatory activity of IL-10 is due to its ability to block signaling through other cytokine receptors, notably IFN γ receptor, by upregulating expression of SOCS-1. In addition, IL-10 promotes T cell tolerance by inhibiting tyrosine phosphorylation of CD28. IL-10 is an important negative regulator of the immune response, which allows for maintenance of pregnancy. In contrast, increased IL-10 levels contribute to persistent Leishmania major infections.
References	Wang S, Wei J, Fan Y, Ding H, Tian H, Zhou X, Cheng L; Journal: Inflammation. Progranulin Is Positively Associated with Intervertebral Disc Degeneration by Interaction with IL-10 and IL-17 Through TNF Pathways. Hu J, Cheng P, Huang GY, Cai GW, Lian FZ, Wang XY, Gao S; Journal: Phytomedicine. Effects of Xin-Ji-Er-Kang on heart failure induced by myocardial infarction: Role of inflammation, oxidative stress and endothelial dysfunction. Wen L, You W, Wang H, Meng Y, Feng J, Yang X; Journal: J Neurotrauma. Polarization of Microglia to the M2 Phenotype in a Peroxisome Proliferator-Activated Receptor Gamma-Dependent Manner Attenuates Axonal Injury Induced by Traumatic Brain Injury in Mice.

NCBI AND UNIPROT INFORMATION

NCBI GI #	10835141
NCBI GeneID	3586
NCBI Accession #	NP_000563.1
NCBI GenBank Nucleotide #	NM_000572.3
UniProt Accession #	P22301
Molecular Weight	19kDa
NCBI Official Full Name	interleukin-10
NCBI Official Synonym Full Names	interleukin 10
NCBI Official Symbol	IL10
NCBI Official Synonym Symbols	CSIF; TGIF; GVHDS; IL-10; IL10A
NCBI Protein Information	interleukin-10
UniProt Protein Name	Interleukin-10
UniProt Gene Name	IL10
UniProt Synonym Gene Names	IL-10; CSIF

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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/il10-antibody-western-blot-immunohistochemistry-immunofluorescence-immunocytochemistry-elisa/31129>