



IL-10 Polyclonal Antibody

Catalog No	YP-Ab-15986
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;IHC;IF;ELISA
Gene Name	IL10
Immunogen	The antiserum was produced against synthesized peptide derived from the Internal region of human IL10. AA range:71-120
Specificity	IL-10 Polyclonal Antibody detects endogenous levels of IL-10 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	Western Blot: 1/500 - 1/2000. IHC-p: 1:100-300 ELISA: 1/20000. IF 1:100-300 Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	IL-10;IL10;8E4B6;CSIF;IL 10;Interleukin-10;Cytokine synthesis inhibitory factor
Observed Band	20kD
Calculated Molecular Weight	20kD
Cell Pathway	Secreted.
Tissue Specificity	Produced by a variety of cell lines, including T-cells, macrophages, mast cells and other cell types.
Function	disease:Defects in IL10 are a cause of susceptibility to Crohn disease (CD) [MIM:266600]. CD is a form of remitting inflammatory bowel disease (IBD). CD may involve any part of the gastrointestinal tract, but most frequently the terminal ileum and colon. Bowel inflammation is transmural and discontinuous. Crohn disease is commonly classified as autoimmune disease.,function:Inhibits the synthesis of a number of cytokines, including IFN-gamma, IL-2, IL-3, TNF and GM-CSF produced by activated macrophages and by helper T-cells.,online information:Interleukin-10 entry,online information:The Singapore human mutation and polymorphism database,similarity:Belongs to the IL-10 family.,subunit:Homodimer.,tissue specificity:Produced by a variety of cell lines,



including T-cells, macrophages, mast cells and other cell types.,

Background

The protein encoded by this gene is a cytokine produced primarily by monocytes and to a lesser extent by lymphocytes. This cytokine has pleiotropic effects in immunoregulation and inflammation. It down-regulates the expression of Th1 cytokines, MHC class II Ags, and costimulatory molecules on macrophages. It also enhances B cell survival, proliferation, and antibody production. This cytokine can block NF-kappa B activity, and is involved in the regulation of the JAK-STAT signaling pathway. Knockout studies in mice suggested the function of this cytokine as an essential immunoregulator in the intestinal tract. Mutations in this gene are associated with an increased susceptibility to HIV-1 infection and rheumatoid arthritis.[provided by RefSeq, May 2011],

matters needing attention

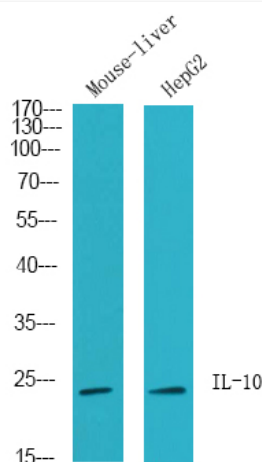
Avoid repeated freezing and thawing!

Usage suggestions

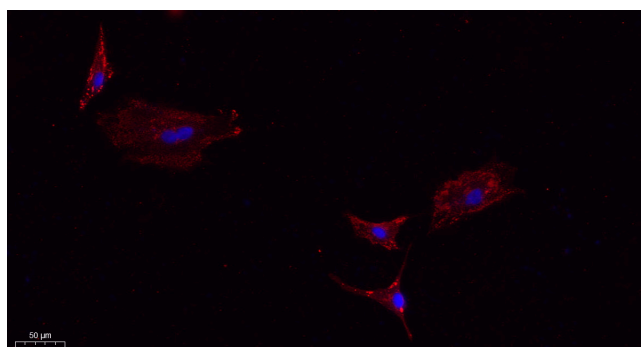
This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



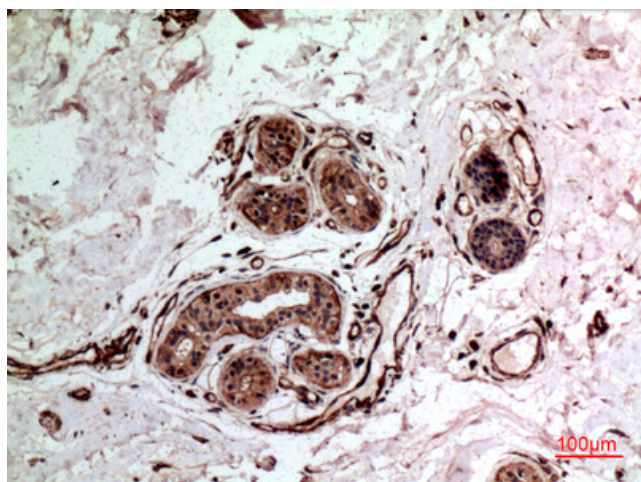
Products Images



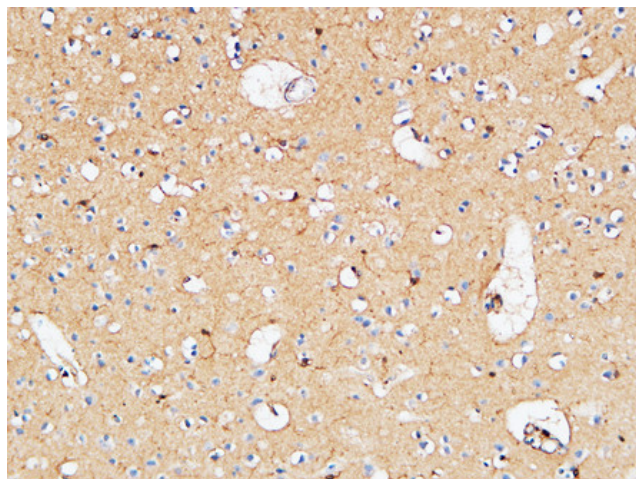
Western Blot analysis of HepG2, Mouse liver cells using IL-10 Polyclonal Antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



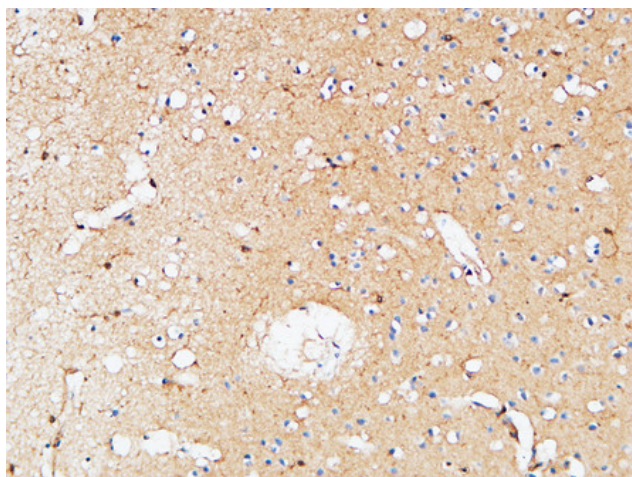
Immunofluorescence analysis of A549. 1,primary Antibody(red) was diluted at 1:200(4°C overnight). 2, Goat Anti Rabbit IgG (H&L) - Alexa Fluor 594 Secondary antibody was diluted at 1:1000(room temperature, 50min).3, Picture B: DAPI(blue) 10min.



Immunohistochemical analysis of paraffin-embedded human-breast-cancer, antibody was diluted at 1:100



Immunohistochemical analysis of paraffin-embedded Human Cerebral cortex. 1, Antibody was diluted at 1:200(4° overnight). 2, High-pressure and temperatur EDTA, pH8.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 30min).



Immunohistochemical analysis of paraffin-embedded Human Cerebral cortex. 1, Antibody was diluted at 1:200(4° overnight). 2, High-pressure and temperatur EDTA, pH8.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 30min).