Anti-IL2 Rabbit pAb

Purified Rabbit Polyclonal Antibody

Catalog # P103374

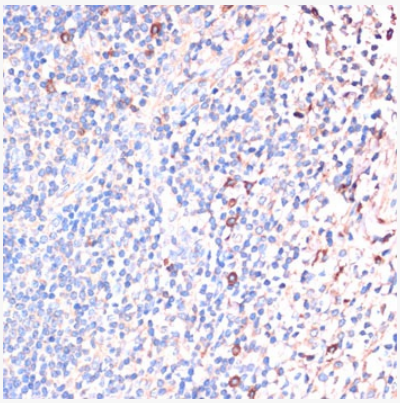
Product Information

Application	WB, IHC-P, ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:500~1:1000; IHC-P 1:50~1:200
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Label	Unconjugated
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 21-153 of IL2 (NP_000577.2).
Format	Affinity purified polyclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-IL2 Rabbit pAb is for research use only and not for use in diagnostic or therapeutic procedures.

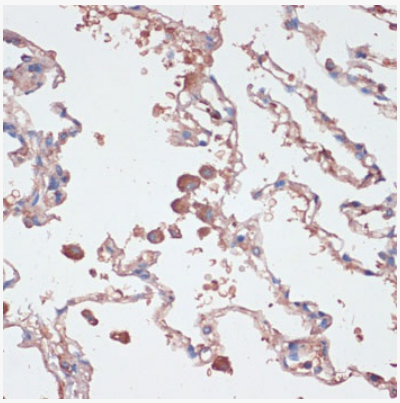
Protein Information

Synonyms	IL-2; TCGF; lymphokine; IL2.
Calculated MW	Calculated MW: 18 kDa; Observed MW: 15 kDa/16 kDa/18 kDa
Uniprot ID	P60568
Gene ID	3558
Background	This gene is a member of the interleukin 2 (IL2) cytokine subfamily which includes IL4, IL7, IL9, IL15, IL21, erythropoietin, and thrombopoietin. The protein encoded by this gene is a secreted cytokine produced by activated CD4+ and CD8+ T lymphocytes, that is important for the proliferation of T and B lymphocytes. The receptor of this cytokine (IL2R) is a heterotrimeric protein complex whose gamma chain is also shared by IL4 and IL7. The expression of this gene in mature thymocytes is monoallelic, which represents an unusual regulatory mode for controlling the precise expression of a single gene. The targeted disruption of a similar gene in mice leads to ulcerative colitis-like disease, which suggests an essential role of this gene in the immune response to antigenic stimuli.

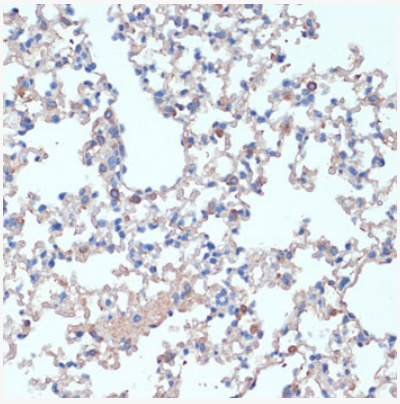
Validation Images



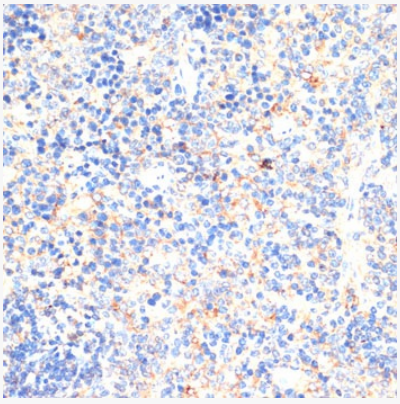
Immunohistochemistry analysis of paraffin-embedded Human tonsil using IL2 Rabbit pAb (P103374) at dilution of 1:100 (40× lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.



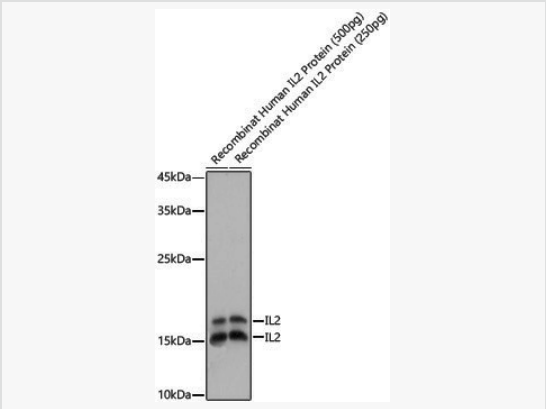
Immunohistochemistry analysis of paraffin-embedded Human lung using IL2 Rabbit pAb (P103374) at dilution of 1:100 (40× lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.



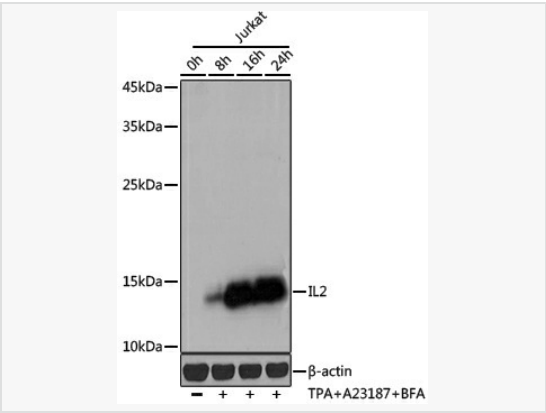
Immunohistochemistry analysis of paraffin-embedded Mouse lung using IL2 Rabbit pAb (P103374) at dilution of 1:100 (40× lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.



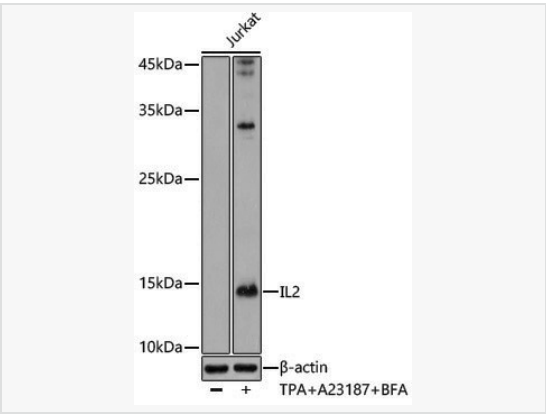
Immunohistochemistry analysis of paraffin-embedded Mouse spleen using IL2 Rabbit pAb (P103374) at dilution of 1:100 (40× lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.



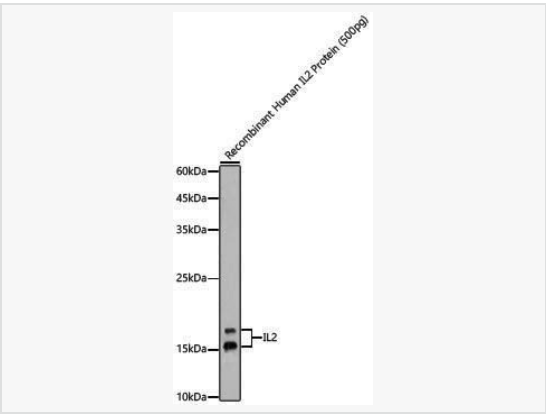
Western blot analysis of lysates from Recombinat Human IL2 Protein, using IL2 Rabbit pAb (P103374) at 1:1,000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (LF102) at 1:10,000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Kit.
Exposure time: 1s.



Western blot analysis of lysates from Jurkat cells, using IL2 Rabbit pAb (P103374) at 1:1,000 dilution. Jurkat cells were treated by TPA (40 nM),A23187 (2µM) and Brefeldin A (300 ng / ml) for 0-24hours
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (LF102) at 1:10,000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Kit.
Exposure time: 1s.



Western blot analysis of lysates from Jurkat cells, using IL2 Rabbit pAb (P103374) at 1:1,000 dilution. Jurkat cells were treated by TPA (40 nM),A23187 (2µM) and Brefeldin A (300 ng / ml) for 0-24hours
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (LF102) at 1:10,000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Kit.
Exposure time: 30s.



Western blot analysis of Recombinant Human IL2 Protein, using IL2 Rabbit pAb (P103374) at 1:1,000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (LF102) at 1:10,000 dilution.
Lysates/proteins: 500pg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Kit.
Exposure time: 90s.