

ARG41565 anti-IL18 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes IL18
Tested Reactivity	Ms, Rat
Tested Application	FACS, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	IL18
Species	Rat
Immunogen	Recombinant protein corresponding to H37-S194 of Rat IL18.
Conjugation	Un-conjugated
Alternate Names	Ibogatadekin; Interferon gamma-inducing factor; Interleukin-18; IL-18; IFN-gamma-inducing factor; IL-1 gamma; IGIF; IL-1g; Interleukin-1 gamma; IL1F4

Application Instructions

Application table	Application	Dilution
	FACS	1:150 - 1:500
	IHC-P	1:200 - 1:1000
	WB	1:500 - 1:2000
Application Note	IHC-P: Antigen Retrieval: Heat mediation was performed in EDTA buffer (pH 8.0). * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	~ 22 kDa	

Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.2% Na ₂ HPO ₄ , 0.9% NaCl, 0.05% Sodium azide and 5% BSA.
Preservative	0.05% Sodium azide
Stabilizer	5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed

before use.

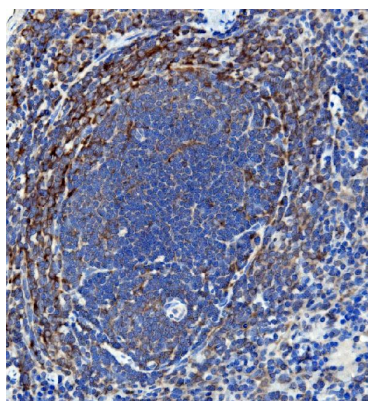
Note

For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

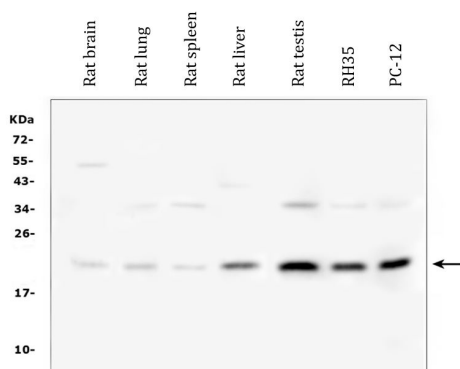
Gene Symbol	IL18
Gene Full Name	interleukin 18
Background	The protein encoded by this gene is a proinflammatory cytokine that augments natural killer cell activity in spleen cells, and stimulates interferon gamma production in T-helper type I cells. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Aug 2011]
Function	Augments natural killer cell activity in spleen cells and stimulates interferon gamma production in T-helper type I cells. [UniProt]
Calculated Mw	22 kDa
PTM	The pro-IL-18 precursor is processed by CASP1 or CASP4 to yield the active form. [UniProt]
Cellular Localization	Secreted. [UniProt]

Images



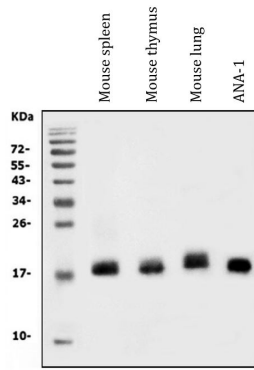
ARG41565 anti-IL18 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Rat spleen tissue. Antigen Retrieval: Heat mediation was performed in EDTA buffer (pH 8.0). The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG41565 anti-IL18 antibody at 2 µg/ml dilution, overnight at 4°C.



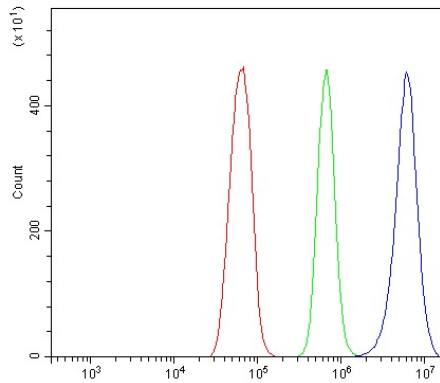
ARG41565 anti-IL18 antibody WB image

Western blot: 50 µg of samples under reducing conditions. Rat brain, Rat lung, Rat spleen, Rat liver, Rat testis, RH35 and PC-12 whole cell lysates stained with ARG41565 anti-IL18 antibody at 0.5 µg/ml dilution, overnight at 4°C.



ARG41565 anti-IL18 antibody WB image

Western blot: 30 μg of sample under reducing conditions. Mouse spleen, Mouse thymus, Mouse lung and ANA-1 whole cell lysates stained with ARG41565 anti-IL18 antibody at 0.5 $\mu\text{g}/\text{ml}$ dilution, overnight at 4°C.



ARG41565 anti-IL18 antibody FACS image

Flow Cytometry: RH35 cells were blocked with 10% normal goat serum and then stained with ARG41565 anti-IL18 antibody (blue) at 1 $\mu\text{g}/10^6$ cells for 30 min at 20°C, followed by incubation with DyLight[®]488 labelled secondary antibody. Isotype control antibody (green) was rabbit IgG (1 $\mu\text{g}/10^6$ cells) used under the same conditions. Unlabelled sample (red) was also used as a control.