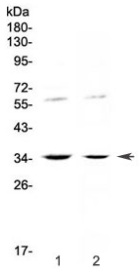
IL12 p35 Antibody / IL12A (RQ4058)

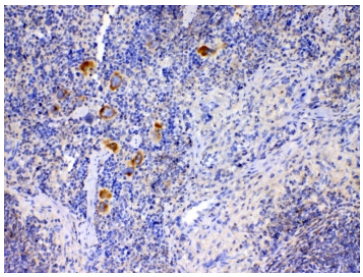
Catalog No.	Formulation	Size
RQ4058	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

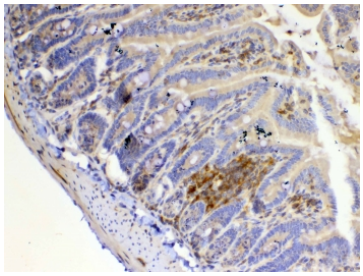
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q9R103
Localization	Cytoplasmic, secreted
Applications	Western Blot: 0.5-1ug/ml Immunohistochemistry (FFPE): 1-2ug/ml Direct ELISA: 0.1-0.5ug/ml
Limitations	This IL12 p35 antibody is available for research use only.



Western blot testing of human 1) HeLa and 2) SW620 cell lysate with IL12 p35 antibody at 0.5ug/ml. Predicted molecular weight ~25 kDa (unmodified), ~35 kDa (glycosylated).



IHC testing of FFPE mouse spleen tissue with IL12 p35 antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.



IHC testing of FFPE mouse small intestine tissue with IL12 p35 antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.

Description

Interleukin-12 subunit alpha (IL-12 p35) is a protein that in humans is encoded by the IL12A gene. This gene encodes a subunit of a cytokine that acts on T and natural killer cells, and has a broad array of biological activities. The cytokine is a disulfide-linked heterodimer composed of the 35-kD subunit encoded by this gene, and a 40-kD subunit that is a member of the cytokine receptor family. This cytokine is required for the T-cell-independent induction of interferon (IFN)-gamma, and is important for the differentiation of both Th1 and Th2 cells. The responses of lymphocytes to this cytokine are mediated by the activator of transcription protein STAT4. Nitric oxide synthase 2A (NOS2A/NOS2) is found to be required for the signaling process of this cytokine in innate immunity.

Application Notes

Optimal dilution of the IL12 p35antibody should be determined by the researcher.

Immunogen

A recombinant rat partial protein corresponding to amino acids R23-S215 was used as the immunogen for the IL12 p35antibody.

Storage

After reconstitution, the IL12 p35 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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