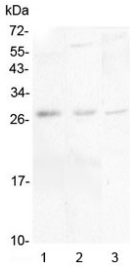
IL-34 Antibody (RQ4931)

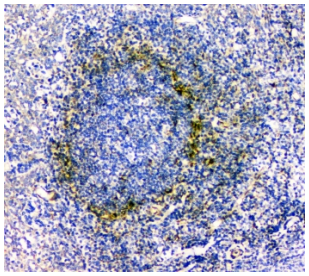
Catalog No.	Formulation	Size
RQ4931	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

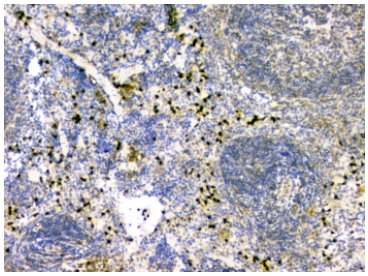
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q6ZMJ4
Localization	Secreted
Applications	Western blot: 0.5-1ug/ml Immunohistochemistry (FFPE): 1-2ug/ml
Limitations	This IL-34 antibody is available for research use only.



Western blot testing of 1) human placenta, 2) rat brain and 3) mouse brain lysate with IL-34 antibody at 0.5ug/ml. Predicted molecular weight ~26 kDa, secreted as an ~39 kDa homodimer that may be glycosylated.



IHC staining of FFPE human tonsil tissue with IL-34 antibody at 1ug/ml. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min and allow to cool before testing.



IHC staining of FFPE mouse spleen tissue with IL-34 antibody at 1ug/ml. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min and allow to cool before testing.

Description

Interleukin 34 (IL-34) is a protein belonging to a group of cytokines called interleukins. It was originally identified in humans, by large scale screening of secreted proteins; chimpanzee, murine, rat and chicken interleukin 34 orthologs have also been found. The protein is composed of 241 amino acids, 39 kilodaltons in mass, and forms homodimers. IL-34 increases growth or survival of immune cells known as monocytes; it elicits its activity by binding the Colony stimulating factor 1 receptor. This gene is mapped to 16q22.1.

Application Notes

Optimal dilution of the IL-34 antibody should be determined by the researcher.

Immunogen

Amino acids NEPLEMWPLTQNEECTVTGFLRDKLQYR from the human protein were used as the immunogen for the IL-34 antibody.

Storage

After reconstitution, the IL-34 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com

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