

RELM-alpha Antibody

Rabbit Polyclonal Antibody Catalog # ABV11021

Specification

RELM-alpha Antibody - Product Information

Application	WB
Primary Accession	<u>Q9EP95</u>
Other Accession	<u>NP_065255</u>
Reactivity	Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	11936

RELM-alpha Antibody - Additional Information

Gene ID 57262

Application & Usage

Western blot analysis (0.5-4 μ g/ml). Recombinant murine RELM α can be used as a positive control. However, the optimal conditions should be determined individually.

Other Names Resistin-like alpha, Cysteine-rich secreted protein FIZZ1

Target/Specificity RELM-alpha

Antibody Form Liquid

Appearance Colorless liquid

Formulation 100 μ g (0.5 mg/ml) affinity purified rabbit anti- murine RELM α polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 30% glycerol and 0.01% thimerosal.

Handling The antibody solution should be gently mixed before use.

Reconstitution & Storage -20 °C

Background Descriptions

Precautions



RELM-alpha Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

RELM-alpha Antibody - Protein Information

Name Retnla

Synonyms Fizz1, Himf, Pmng1

Function Probable hormone. Plays a role in pulmonary vascular remodeling.

Cellular Location Secreted.

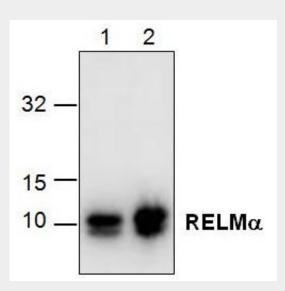
Tissue Location Highest levels in adipose tissue.

RELM-alpha Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- <u>Western Blot</u>
- **Blocking Peptides**
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>

RELM-alpha Antibody - Images



Western blot analysis of RELM- α]expression using recombinant murine RELM. Lane 1: 250 ng; Lane 2: 1µg



RELM-alpha Antibody - Background

RELM-alpha belongs to a unique family of tissue-specific cytokines termed FIZZ (found in inflammatory zone) and RELM. The three known members of this family; Resistin, RELM-alpha and RELM-beta are 85-94 amino acid secreted proteins sharing a conserved C-terminal domain characterized by 10 cysteine residues with a unique spacing motif of

C-X11-C-X8-C-X-C-X3-C-X10-C-X-C-X9-C-C. RELM-alpha and Resistin are secreted exclusively by adipocytes while RELM-beta is expressed in the epithelium of the colon and small bowel. The physiological role and molecular targets of RELM-alpha are still unknown. Murine RELM-alpha is a 10.0 kDa monomeric protein containing 88 amino acid residues.