abcam

ab39628

Biotin Anti-RELM alpha/Retnla antibody

Anti-RELM alpha/Retnla antibody conjugated to Biotin is a rabbit polyclonal antibody suitable for flow cytometry, Western blot, sELISA, and reacts with mouse samples.

Key facts

Isotype	IgG
Host species	Rabbit
Conjugation	Biotin
Storage buffer	Constituents: PBS, 0.1% BSA
Form	Lyophilized
Clonality	Polyclonal
Immunogen	Recombinant Full Length Protein corresponding to Mouse Retnla. Database link Q9EP95
Purification technique	Affinity purification Immunogen
Reconstitution	reconstitute with PBS, 0.1% BSA at 50µg/mL
Purification notes	Purified by affinity chromatography and then biotinylated.

Reactivity data

Flow Cyt

Expected

Species	Mouse
Dilution info	-
Notes	ab200208 - Rabbit polyclonal IgG, is suitable for use as an isotype control with this antibody.

WB

Expected

Species	Mouse
Dilution info	Use at an assay dependent concentration.
Notes	-

sELISA

Expected

Species	Mouse
Dilution info	Use at an assay dependent concentration.
Notes	-

Target data

See full target information Retnla

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

Storage

Shipped at conditions	Blue Ice
Appropriate short-term storage duration	1-2 weeks
Appropriate short-term storage conditions	+4°C
Appropriate long-term storage conditions	-20°C
Storage information	Avoid freeze / thaw cycle

Supplementary info

This supplementary information is collated from multiple sources and compiled automatically.

Activity summary	RELM alpha also known as Retnla is a small secreted protein with a molecular mass of approximately 10 kDa. It belongs to the resistin-like molecule family and is mainly expressed in adipose tissues and the lungs. However some expression also occurs in the gastrointestinal tract and immune cells. It plays a role as a signaling molecule and is secreted under various physiological and pathological conditions.
Biological function summary	RELM alpha functions as a modulator of immune responses and inflammation. It has a part in the immune network and participates in the regulation of insulin sensitivity. While it does not form part of a specific complex it interacts with other cytokines and chemokines to modulate the activity of macrophages and other immune cells. This modulation impacts the balance between pro-inflammatory and anti-inflammatory signals in the body.
Pathways	RELM alpha plays roles in the metabolic and immune pathways. It influences the toll-like receptor signaling pathway which involves key proteins like TLR4 which is essential for pathogen recognition and innate immunity. RELM alpha also appears in pathways related to glucose metabolism interacting with other metabolic regulators to affect energy homeostasis and insulin action.
Associated diseases and disorders	RELM alpha has connections to conditions like obesity and asthma. In obesity levels of RELM alpha may correlate with inflammatory states and insulin resistance interacting with proteins like adiponectin and leptin. In asthma RELM alpha may contribute to airway inflammation working alongside proteins like IL-13 to drive inflammatory responses in the respiratory system. These associations make RELM alpha a significant target for therapeutic investigation in related disorders.

Product promise

Tested

We have tested this species and application combination and it works. It is covered by our product promise.

Expected

We have not tested this specific species and application combination in-house, but expect it will work. It is covered by our product promise.

Predicted

This species and application combination has not been tested, but we predict it will work based on strong homology. However, this combination is not covered by our product promise.

Not recommended

We do not recommend this combination. It is not covered by our product promise.

We are dedicated to supporting your work with high quality reagents and we are here for you every step of the way should you need us.

In the unlikely event of one of our products not working as expected, you are covered by our product promise.

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