

For Research Use Only

# RETSAT Polyclonal antibody, PBS Only

Catalog Number: 16895-1-PBS



## Basic Information

Catalog Number:

16895-1-PBS

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG10420

GenBank Accession Number:

BC011418

GeneID (NCBI):

54884

UNIPROT ID:

Q6NUM9

Full Name:

retinol saturase (all-trans-retinol  
13,14-reductase)

Calculated MW:

610 aa, 69 kDa

Observed MW:

62-67 kDa

Purification Method:

Antigen affinity purification

## Applications

Tested Applications:

WB, Indirect ELISA

Species Specificity:

human

## Background Information

RETSAT (Retinol Saturase) is an enzyme-encoding gene that plays a critical role in cellular metabolism, primarily involved in the saturation of retinol (vitamin A) and other molecules. It catalyzes the conversion of all-trans-retinol to all-trans-13,14-dihydroretinol, a process that links vitamin A metabolism to lipid and glucose homeostasis. It is highly expressed in the liver, adipose tissue, and kidney and is regulated by the PPAR  $\gamma$  master regulator of adipogenesis (PMID: 28855500; 38128827). RETSAT also has a role in cancer cell survival, particularly in hypoxic tumor environments, by enhancing resistance to replication stress (PMID: 36109793).

## Storage

Storage:

Store at  $-80^{\circ}\text{C}$ .

**The product is shipped with ice packs. Upon receipt, store it immediately at  $-80^{\circ}\text{C}$**

Storage Buffer:

PBS only, pH7.3

For technical support and original validation data for this product please contact:

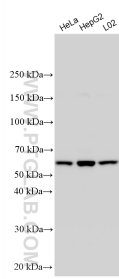
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**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 16895-1-AP (RETSAT antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 16895-1-PBS in a different storage buffer formulation.