

For Research Use Only

# RETSAT Polyclonal antibody, PBS Only

Catalog Number:16895-1-PBS



## Basic Information

<b>Catalog Number:</b> 16895-1-PBS	<b>GenBank Accession Number:</b> BC011418	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 100ug , Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 54884	
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q6NUM9	
<b>Isotype:</b> IgG	<b>Full Name:</b> retinol saturase (all-trans-retinol 13,14-reductase)	
<b>Immunogen Catalog Number:</b> AG10420	<b>Calculated MW:</b> 610 aa, 69 kDa	
	<b>Observed MW:</b> 62-67 kDa	

## 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

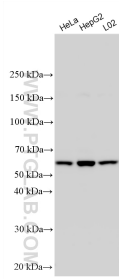
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS only, pH7.3

For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)      E: proteintech@ptglab.com  
W: ptglab.com

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## 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.