

For Research Use Only

AWAT1 Polyclonal antibody, PBS Only

Catalog Number: 24704-1-PBS



Basic Information

Catalog Number: 24704-1-PBS	GenBank Accession Number: BC153034	Purification Method: Antigen affinity purification
Size: 100ug, Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 158833	
Source: Rabbit	UNIPROT ID: Q58HT5	
Isotype: IgG	Full Name: acyl-CoA wax alcohol acyltransferase 1	
Immunogen Catalog Number: AG20183	Calculated MW: 328 aa, 38 kDa	
	Observed MW: 45 kDa	

Applications

Tested Applications:
WB, IHC, Indirect ELISA

Species Specificity:
human, mouse

Background Information

AWAT1 is an ER-localized acyltransferase specialized for wax ester biosynthesis in sebaceous and meibomian glands. By esterifying long-chain fatty acyl-CoAs with fatty alcohols, AWAT1 generates crucial lipids that maintain skin barrier function, sebaceous secretion, and tear film stability. Dysregulation of AWAT1 contributes to meibomian gland dysfunction, dry eye disease, and sebaceous lipid imbalance, positioning AWAT1 as a key enzymatic regulator of surface lipid homeostasis.

Storage

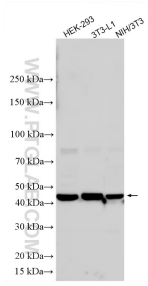
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

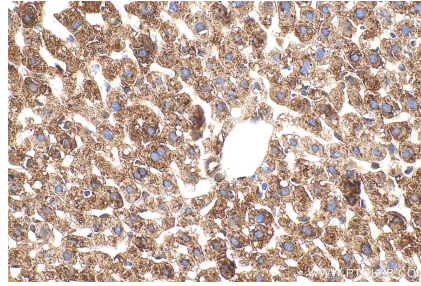
For technical support and original validation data for this product please contact:
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 24704-1-AP (AWAT1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 24704-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 24704-1-AP (AWAT1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 24704-1-PBS in a different storage buffer formulation.