

Product datasheet for **AP50318PU-N**

DGAT2L4 (AWAT2) (C-term) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	ELISA: 1/1000. Western blotting: 1/100 - 1/500. Immunohistochemistry on paraffin sections: 1/50 - 1/100.
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide between 306-335 amino acids from the C-terminal region of human AWAT2
Specificity:	This antibody reacts to DGAT2L4.
Formulation:	PBS containing 0.09% (W/V) sodium azide as preservative State: Aff - Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Affinity chromatography on Protein A
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	acyl-CoA wax alcohol acyltransferase 2
Database Link:	Entrez Gene 245532 Mouse Entrez Gene 158835 Human Q6E213



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Background: This gene encodes an enzyme belonging to the diacylglycerol acyltransferase family. This enzyme produces wax esters by the esterification of long chain (or wax) alcohols with acyl-CoA-derived fatty acids. It functions in lipid metabolism in the skin, mostly in undifferentiated peripheral sebocytes. This enzyme may also have acyl-CoA:retinol acyltransferase activities, where it catalyzes the synthesis of diacylglycerols and retinyl esters.

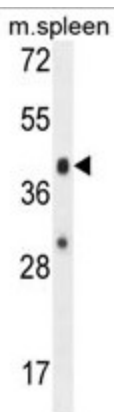
Synonyms: DC4, MFAT, WS, Wax synthase

Note: **Molecular Weight:** 38094 Da

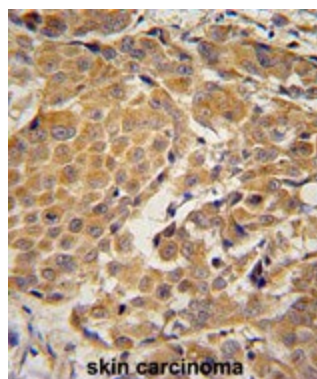
Protein Families: Transmembrane

Protein Pathways: Glycerolipid metabolism, Metabolic pathways, Retinol metabolism

Product images:



AWAT2 Antibody (C-term) western blot analysis in mouse spleen tissue lysates (35ug/lane). This demonstrates the AWAT2 antibody detected the AWAT2 protein (arrow).



AWAT2 Antibody (C-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human skin carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the AWAT2 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.