

AWAT2 Rabbit pAb

CatalogNo: YN0396

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse

Applications

- WB, ELISA

MW

- 36kD (Observed)

Isotype

- IgG

Storage

Storage* -15°C to -25°C/1 year (Do not lower than -25°C)

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Recommended Dilution Ratios

WB 1:500-2000

ELISA 1:5000-20000

Basic Information

Clonality Polyclonal

Immunogen Information

Immunogen Synthesized peptide derived from human protein . at AA range: 260-340

Specificity AWAT2 Polyclonal Antibody detects endogenous levels of protein.

Target Information

Gene name AWAT2 DC4 DGAT2L4 MFAT WS

Protein Name Acyl-CoA wax alcohol acyltransferase 2 (Acyl-CoA retinol O-fatty-acyltransferase) (ARAT) (Retinol O-fatty-acyltransferase) (Diacylglycerol O-acyltransferase 2-like protein 4) (Diacylglycerol O-acyltransferase candidate 4) (hDC4) (Long-chain-alcohol O-fatty-acyltransferase 2) (Multifunctional O-acyltransferase) (Wax synthase) (hWS)

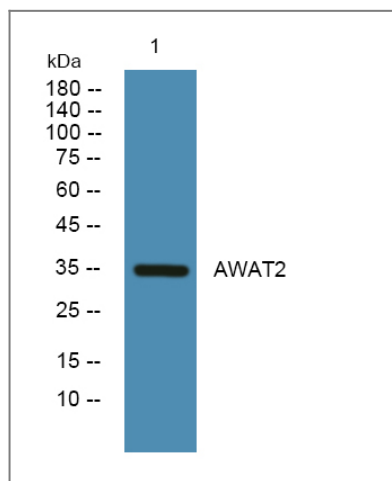
Organism	Gene ID	UniProt ID
Human	158835 ;	Q6E213 ;
Mouse		Q6E1M8 ;

Cellular Localization Endoplasmic reticulum membrane ; Multi-pass membrane protein .

Tissue specificity Highly expressed in skin, where it is primarily restricted to undifferentiated peripheral sebocytes. Also expressed at lower level in other tissues except pancreas.

Function Catalytic activity:Acyl-CoA + a long-chain alcohol = CoA + a long-chain ester.,Function:Acyltransferase that predominantly esterify long chain (wax) alcohols with acyl-CoA-derived fatty acids to produce wax esters. Wax esters are enriched in sebum, suggesting that it plays a central role in lipid metabolism in skin. Has no activity using decyl alcohol and significantly prefers the C16 and C18 alcohols. May also have 2-acylglycerol O-acyltransferase (MGAT) and acyl-CoA:retinol acyltransferase (ARAT) activities, to catalyze the synthesis of diacylglycerols and retinyl esters; however this activity is unclear in vivo.,similarity:Belongs to the diacylglycerol acyltransferase family.,tissue specificity:Abundant in tissues rich in sebaceous glands such as the preputial gland and eyelid. Highly expressed in skin, where it is primarily restricted to undifferentiated peripheral sebocytes. Also expressed at lower level in other tissues except pancreas.,

Validation Data



Western blot analysis of lysates from U2OS cells, primary antibody was diluted at 1:1000, 4° over night

Contact information

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AWAT2 Rabbit pAb

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