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Datasheet for ABIN2781958

## anti-AWAT1 antibody (N-Term)

### 1 Image

#### Overview

Quantity:	100 µL
Target:	AWAT1
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Guinea Pig, Cow, Dog, Horse, Rabbit, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This AWAT1 antibody is un-conjugated
Application:	Western Blotting (WB)

#### Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human AWAT1
Sequence:	LLTFGAF CNF CTEATGFSKT FPGITPHLAT LSWFFKIPFV REYLMAKGVC
Predicted Reactivity:	Cow: 86%, Dog: 93%, Guinea Pig: 93%, Horse: 93%, Human: 100%, Mouse: 100%, Rabbit: 79%, Rat: 100%, Zebrafish: 92%
Characteristics:	This is a rabbit polyclonal antibody against DGAT2L3. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

#### Target Details

Target:	AWAT1
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## Target Details

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Alternative Name:	AWAT1 ( <a href="#">AWAT1 Products</a> )
Background:	<p>The protein encoded by this gene belongs to the diacylglycerol acyltransferase family. It esterifies long chain (wax) alcohols with acyl-CoA-derived fatty acids to produce wax esters. Wax esters are enriched in sebum, suggesting that this enzyme plays a central role in lipid metabolism in skin. Consistent with this observation, this protein is predominantly expressed in the sebaceous gland of the skin.</p> <p>Alias Symbols: AWAT1, DGA2, DGAT2L3</p> <p>Protein Size: 328</p>
Molecular Weight:	38 kDa
Gene ID:	158833
NCBI Accession:	<a href="#">NM_001013579</a> , <a href="#">NP_001013597</a>
UniProt:	<a href="#">Q58HT5</a>

## Application Details

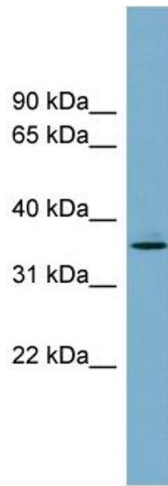
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Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 328 AA
Restrictions:	For Research Use only

## Handling

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Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.



### Western Blotting

**Image 1.** WB Suggested Anti-AWAT1 Antibody Titration: 0.2-1 ug/ml Positive Control: Human Spleen