

Datasheet for ABIN363617
anti-PLIN5 antibody (AA 300-400)



[Go to Product page](#)

2 Images

Overview

Quantity:	0.1 mL
Target:	PLIN5
Binding Specificity:	AA 300-400
Reactivity:	Human, Mouse, Cow
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PLIN5 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	Synthetic peptide made to a region of the human OXPAT protein within residues 300-400
Specificity:	Reacts with OXPAT from human, mouse and bovine
Cross-Reactivity (Details):	Porcine (94 %), Sheep (94 %).
Purification:	Antigen affinity purified

Target Details

Target:	PLIN5
Alternative Name:	OXPAT (PLIN5 Products)
Background:	OXPAT is a novel PAT-1 protein that is expressed in highly oxidative tissues. Lipid droplet proteins of the PAT family regulate cellular neutral lipid stores. OXPAT is induced by

Target Details

physiological (fasting), pathophysiological (insulin deficiency), pharmacological (peroxisome proliferator-activated receptor [PPAR] agonists), and genetic (muscle-specific PPAR alpha overexpression) disturbances that increase fatty acid utilization. It is suggested that OXPAT is a marker for PPAR activation and fatty acid oxidation. As well, it may contribute to adaptive responses to the fatty acid responsibility that accompanies fasting, insulin deficiency, and overnutrition, responses that are defective in obesity and type 2 diabetes.

Application Details

Application Notes: Working dilution: Optimal dilution should be determined by the end user.
The following are guidelines only:
IHC(1.0 - 5.0 µg/mL) WB(0.5 - 2.0 µg/mL)

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1.01 mg/mL

Buffer: PBS, glycerol 30 %, Sodium azide 0.1 %

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C/-20 °C

Storage Comment: Short term storage at +4°C. For extended periods store in aliquots at -20°C. Antibodies are guaranteed for 6 month from date of receipt.

Expiry Date: 6 months

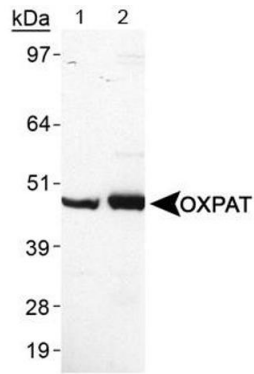


Image 1.

Detection of OXPAT in heart lysate using pab50308

Lane 1: human heart

Lane 2: mouse heart

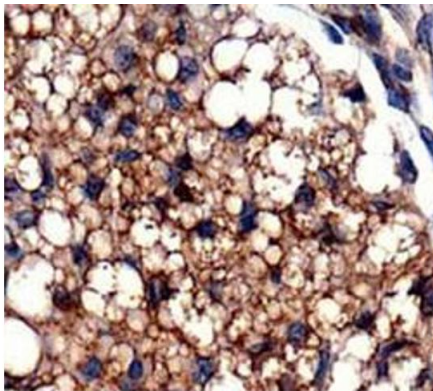


Image 2.

Staining of OXPAT in mouse

fat using pab50308