

## DGAT2 Rabbit pAb

CatalogNo: YN0642

### Key Features

#### Host Species

- Rabbit

#### Reactivity

- Human, Mouse, Rat

#### Applications

- WB, ELISA

#### MW

- 42kD (Observed)

#### Isotype

- IgG

### Recommended Dilution Ratios

WB 1:500-2000

ELISA 1:5000-20000

### Storage

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

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

### Basic Information

**Clonality** Polyclonal

### Immunogen Information

**Immunogen** Synthesized peptide derived from part region of human protein. AA range 1-50

**Specificity** DGAT2 Polyclonal Antibody detects endogenous levels of protein.

### Target Information

**Gene name** DGAT2 HMFN1045 UNQ738/PRO1433

**Protein Name** Diacylglycerol O-acyltransferase 2 (Acyl-CoA retinol O-fatty-acyltransferase) (ARAT) (Retinol O-fatty-acyltransferase) (Diglyceride acyltransferase 2)

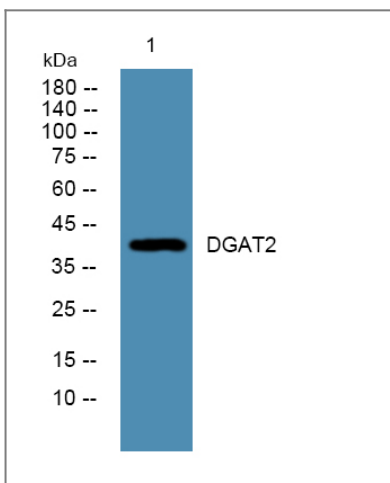
Organism	Gene ID	UniProt ID
Human	<a href="#">84649</a> ;	<a href="#">Q96PD7</a> ;
Mouse		<a href="#">Q9DCV3</a> ;
Rat		<a href="#">Q5FVP8</a> ;

**Cellular Localization** Endoplasmic reticulum membrane ; Multi-pass membrane protein . Lipid droplet . Cytoplasm, perinuclear region .

**Tissue specificity** Predominantly expressed in liver and white adipose tissue. Expressed at lower level in mammary gland, testis and peripheral blood leukocytes. Expressed in sebaceous glands of normal skin but decreased psoriatic skin.

**Function** Catalytic activity:Acyl-CoA + 1,2-diacylglycerol = CoA + triacylglycerol.,enzyme regulation:Inhibited by niacin.,Function:Essential acyltransferase that catalyzes the terminal and only committed step in triacylglycerol synthesis by using diacylglycerol and fatty acyl CoA as substrates. Required for synthesis and storage of intracellular triglycerides. Probably plays a central role in cytosolic lipid accumulation.,pathway:Glycerolipid metabolism; triacylglycerol biosynthesis.,similarity:Belongs to the diacylglycerol acyltransferase family.,tissue specificity:Predominantly expressed in liver and white adipose tissue. Expressed at lower level in mammary gland, testis and peripheral blood leukocytes. Expressed in sebaceous glands of normal skin but decreased psoriatic skin.,

## Validation Data



Western blot analysis of lysates from DU145 cells, primary antibody was diluted at 1:1000, 4° over night

## Contact information

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**DGAT2 Rabbit pAb**

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