

## DGAT-1 Polyclonal Antibody

**CATALOG NO:** 3845-30T 30 µg (Trial size)  
3845-100 100 µg

**HOST:** Rabbit

**IMMUNOGEN:** Synthetic peptide corresponding to residues surrounding amino acids 308 of mouse DGAT-1 (ID# BV-A14)

**SPECIES REACTIVITY:** Human, Mouse, Rat, Dog

### FORMULATION:

0.5 mg/ml affinity purified rabbit anti-DGAT-1 polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 30% glycerol, 0.5% BSA, 0.01% thimerosal.

### STORAGE CONDITIONS:

Store at -20°C. For long-term storage, aliquot and freeze at -70°C. Avoid repeated freeze/thaw cycles.

### DESCRIPTION:

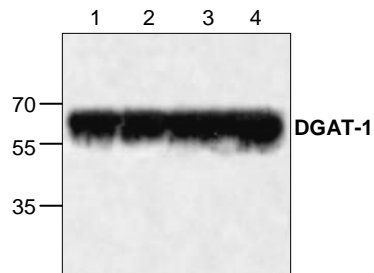
Diacylglycerol acyltransferase is also known as DGAT1 is a microsomal enzyme. It is involved in the synthesis of fatty acids into triglycerides. DGAT utilizes diacylglycerol (DAG) and fatty acyl CoA as substrates to synthesize triacylglycerol. DGAT plays an important role in the metabolism of cellular diacylglycerol and is essential in the physiologic processes of higher eukaryotes that includes triacylglycerol metabolism such as intestinal fat absorption, lipoprotein assembly, adipose tissue formation, and lactation.

### SPECIFICITY:

The antibody recognizes ~60 kDa DGAT-1 of human, mouse, and rat origins. Reactivity to other species has not been tested.

### APPLICATION AND USAGE:

The antibody can be used for Western blotting (0.5-4 µg/ml). However, the optimal conditions should be determined individually. Blocking peptide (Cat.# 3845BP-50) is available separately.



**Cat. #:3845-100**

Western blot analysis of DGAT-1 in lysates from Jurkat cells (Lane 1, 2), 3T3 cells (Lane 3), and rat kidney tissue lysate (Lane 4).

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