DGAT1 Antibody

Catalog No: #37532

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Description

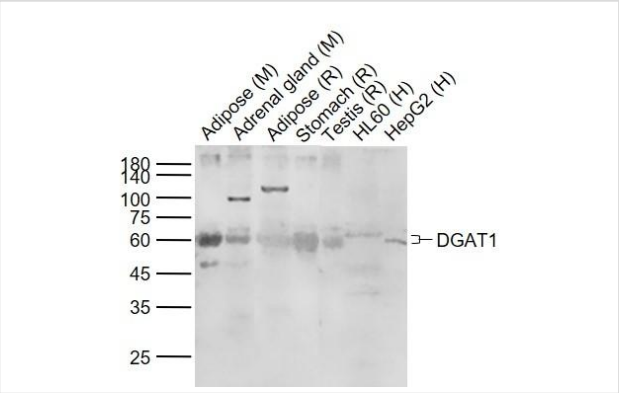
Product Name	DGAT1 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	affinity purified by Protein A
Applications	WB IHC
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous levels of total DGAT1 protein.
Immunogen Type	Peptide
Immunogen Description	KLH conjugated synthetic peptide derived from human DGAT1
Target Name	DGAT1
Other Names	ARAT; DGAT; ARGP1
Accession No.	Swiss-Prot#: O75907NCBI Gene ID: 8694Gene Accssion: NP_036211
Uniprot	O75907
GeneID	8694;
SDS-PAGE MW	55kd
Concentration	1mg/ml
Formulation	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Storage	Store at -20°C

Application Details

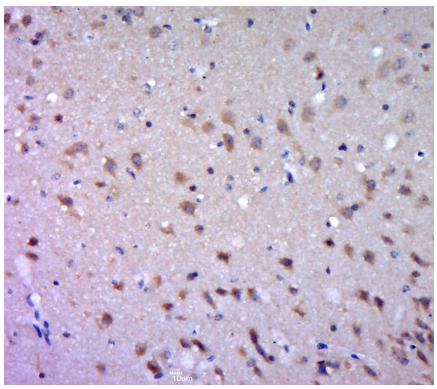
WB1:500-2000;

IHC 1:100-500;

Images



Sample:
Lane 1: Mouse Adipose tissue lysates
Lane 2: Mouse Adrenal gland tissue lysates
Lane 3: Rat Adipose tissue lysates
Lane 4: Rat Stomach tissue lysates
Lane 5: Rat Testis tissue lysates
Lane 6: Human HL60 cell lysates
Lane 7: Human HepG2 cell lysates
Primary: Anti-DGAT1 at 1/300 dilution
Secondary: Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 55 kD
Observed band size: 60 kD



Paraformaldehyde-fixed, paraffin embedded (mouse brain tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (DGAT1) Polyclonal Antibody, at 1:400 overnight at 4°C, followed by a conjugated secondary for 20 minutes and DAB staining.

Background

This gene encodes an multipass transmembrane protein that functions as a key metabolic enzyme. The encoded protein catalyzes the conversion of diacylglycerol and fatty acyl CoA to triacylglycerol. This enzyme can also transfer acyl CoA to retinol. Activity of this protein may be associated with obesity and other metabolic diseases

Note: This product is for in vitro research use only