

Product datasheet for **TA384097**

DGAT1 Rabbit Monoclonal Antibody [Clone ID: R02-4G6]

Product data:

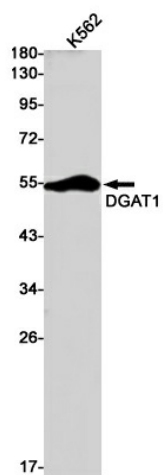
Product Type:	Primary Antibodies
Clone Name:	R02-4G6
Applications:	IHC, IP, WB
Recommended Dilution:	WB: 1/2000-1/10000 IHC: 1/20 IP: 1/20
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Monoclonal
Immunogen:	Recombinant protein of human DGAT1
Formulation:	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
Concentration:	lot specific
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Stability:	1 year
Predicted Protein Size:	Calculated MW: 55 kDa; Observed MW: 55 kDa
Gene Name:	diacylglycerol O-acyltransferase 1
Database Link:	Entrez Gene 8694 Human O75907
Background:	Swiss-Prot Acc.O75907.Catalyzes the terminal and only committed step in triacylglycerol synthesis by using diacylglycerol and fatty acyl CoA as substrates. In contrast to DGAT2 it is not essential for survival. May be involved in VLDL (very low density lipoprotein) assembly. In liver, plays a role in esterifying exogenous fatty acids to glycerol. Functions as the major acyl-CoA retinol acyltransferase (ARAT) in the skin, where it acts to maintain retinoid homeostasis and prevent retinoid toxicity leading to skin and hair disorders.



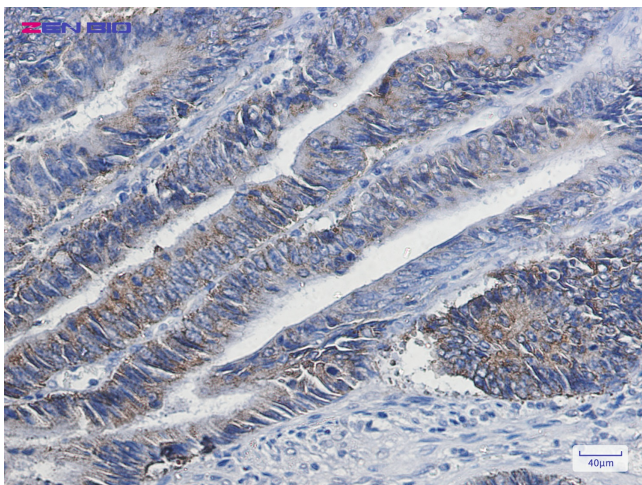
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Synonyms: AGRP1; ARGP1; DGAT

Product images:



Western blot detection of DGAT1 in K562 cell lysates using DGAT1 Rabbit mAb(1:1000 diluted). Predicted band size:55kDa. Observed band size:55kDa.



Immunohistochemistry of DGAT1 in paraffin-embedded Human colon cancer tissue using DGAT1 Rabbit mAb at dilution 1/20