

Anti-GPAT4 Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Human, Mouse (predicted: Rat, Chicken, Pig, Cow, Horse, Rabbit, Sheep)
Molecular Weight:	Theoretical: 48 kDa. Actual: 45-48 kDa.
Purification:	Protein A purified

Applications

Verified Activity:	1. Sample:
	Lane 1: Mouse Cerebrum tissue lysates
	Lane 2: Human A549 cell lysates
	Primary: Anti-GPAT4 (TMAB-06652) at 1/1000 dilution
	Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
	Predicted band size: 48 kDa
	Observed band size: 45 kDa
	2. Sample: Uterus (Mouse) Lysate at 40 µg
	Primary: Anti-GPAT4 (TMAB-06652) at 1/1000 dilution
	Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 48 kD	
Observed band size: 48 kD	
Application:	WB
Recommended	WB: 1:500-2000

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	KLH conjugated synthetic peptide: human GPAT4
Antigen Species:	Human
Gene ID:	137964
Uniprot ID:	Q86UL3

Research Background

AGPAT6 is a novel glycerolipid acyltransferase of the ER, which is crucial for the production of milk fat by the mammary gland. It converts lysophosphatidic acid (LPA) into phosphatidic acid by incorporating an acyl moiety at the sn-2 position of the glycerol backbone.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel: 781-999-4286 E_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481