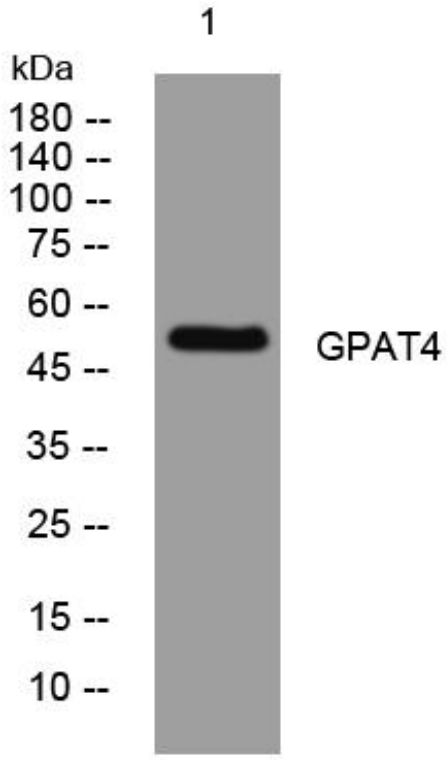
GPAT4 mouse mAb

Catalog No	BYmab-12088
Isotype	IgG
Reactivity	Human; Mouse
Applications	WB
Gene Name	AGPAT6 GPAT4 UNQ551/PRO1108
Protein Name	GPAT4
Immunogen	Synthesized peptide derived from human GPAT4 AA range: 39-89
Specificity	This antibody detects endogenous levels of GPAT4 at Human/Mouse
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	
Cell Pathway	Endoplasmic reticulum membrane ; Multi-pass membrane protein .
Tissue Specificity	Ubiquitous. High levels in testis. Relatively high level of expression in skeletal muscle and heart. Relatively low level of expression in lung.
Function	catalytic activity:Acyl-CoA + sn-glycerol 3-phosphate = CoA + 1-acyl-sn-glycerol 3-phosphate.,domain:The HXXXXD motif is essential for acyltransferase activity and may constitute the binding site for the phosphate moiety of the glycerol-3-phosphate.,enzyme regulation:Inhibited by N-ethylmaleimide (NEM).,function:Esterifies acyl-group from acyl-ACP to the sn-1 position of glycerol-3-phosphate, an essential step in glycerolipid biosynthesis. Active against both saturated and unsaturated long-chain fatty acyl-CoAs.,pathway:Phospholipid metabolism; CDP-diacylglycerol biosynthesis; CDP-diacylglycerol from sn-glycerol 3-phosphate: step 1/3.,similarity:Belongs to the 1-acyl-sn-glycerol-3-phosphate acyltransferase family.,tissue specificity:Ubiquitous. Relatively high level of expression in skeletal muscle, heart and testis. Relatively low level of expression in lung.,

Background	Lysophosphatidic acid acyltransferases (EC 2.3.1.51) catalyze the conversion of lysophosphatidic acid (LPA) to phosphatidic acid (PA). LPA and PA are involved in signal transduction and lipid biosynthesis.[supplied by OMIM, Apr 2004],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using GPAT4 mouse mAb