

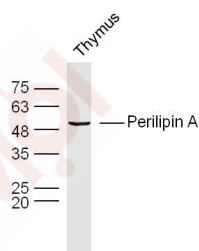
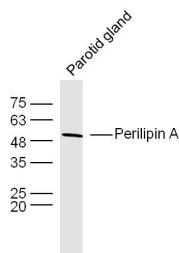
Anti-Perilipin A Polyclonal Antibody

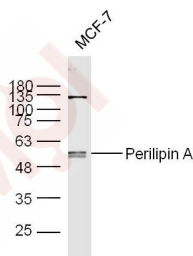
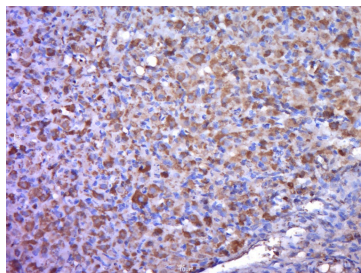
Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat (predicted:Dog,Pig,Cow,Horse,Sheep)
Molecular Weight:	Theoretical: 57 kDa. Actual: 57 kDa.
Purification:	Protein A purified

Applications

1. Sample: Parotid gland (Mouse) Lysate at 40 µg
Primary: Anti-Perilipin A (TMAB-01369) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 57 kDa
Observed band size: 57 kDa
2. Sample: Thymus (Mouse) Lysate at 40 µg
Primary: Anti-Perilipin A (TMAB-01369) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 57 kDa
Observed band size: 57 kDa
- Verified Activity: 3. Paraformaldehyde-fixed, paraffin embedded (rat ovary); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (Perilipin A) Polyclonal Antibody, Unconjugated (TMAB-01369) at 1:400 overnight at 4°C, followed by a conjugated secondary antibody for 20 min and DAB staining.
4. Sample:
MCF-7 Cell (Human) Lysate at 30 µg
Primary: Anti-Perilipin A at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 57 kDa
Observed band size: 57 kDa





Application: IF,IHC-Fr,IHC-P,WB

Recommended WB: 1:500-2000; IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500

Properties

Stability & Storage: 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 Perilipin-1

Antigen Species: Human

Gene ID: 5346

Uniprot ID: O60240

Synonyms: Perilipin 1;Lipid droplet associated protein;PLIN1;PerilipinA;Perilipin1;PLIN 1;Perilipin-A;Perilipin;PLIN;PERI

Biology Area: Metabolism of lipids and lipoproteins,Lipoprotein metabolism,Lipid Droplet Protein,Lipid metabolism,Lipoprotein metabolism,Heart disease,Lipid metabolism

Research Background

Perilipins, members of the PAT protein family (named after lipid droplet proteins Perilipin, Adipophilin, and TIP47) are found exclusively at the surface of lipid droplets in adipocytes and steroidogenic cells. They have been suggested to function as regulators of lipolysis and triacylglycerol storage within adipose tissue. Four distinct isoforms ranging from perilipin A (57 kDa) to perilipin D (26 kDa) have been identified and they share an identical amino terminal sequences, and contain 2-6 consensus protein kinase A (PKA) phosphorylation sites. Perilipin C and D have been detected only in steroidogenic cells. Perilipin A is the most abundant form on the lipid droplets of adipocytes. The phosphorylation of perilipin by PKA, which is accompanied by the phosphorylation and translocation of hormone-sensitive lipase from the cytosol to the lipid droplets, promotes lipolysis. There is evidence for the presence of perilipin A in atheroma plaques suggesting that the protein may be involved in the development of atherosclerosis by controlling as in adipocytes the hydrolysis of stored lipids.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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