



Polyclonal Antibody against Mouse PM20D1

Catalog Number: 12700

Size: 100 µg

Host: Rabbit

Introduction to the Molecule

PM20D1 is a bidirectional N-fatty-acyl amino acid synthase/hydrolase that regulates the production of N-fatty-acyl amino acids. These metabolites are endogenous chemical uncouplers of mitochondrial respiration. In a UCP1-independent manner, maybe through interaction with mitochondrial transporters, they promote proton leakage into the mitochondrial matrix. PM20D1 may indirectly regulate the bodily dissipation of chemical energy as heat through thermogenic respiration.

Purification

Antigen affinity-purified

Immunogen

Recombinant mouse PM20D1 protein (Cat. No.: 42700) expressed in mammalian cells.

Specificity

The antibody detects mouse PM20D1 in western blot and sandwich ELISA. In sandwich ELISA, no cross reactivity with recombinant human PM20D1 is observed.

Formulation & Storage

Liquid in phosphate-buffered saline (PBS). Store at -20°C for less than one week. For long-term storage, aliquot and freeze at -80°C. Avoid repeated freeze/thaw cycles.

Application/Usage

Western blot - This antibody can be used in western blot analysis with appropriate secondary antibody to detect mouse PM20D1.

ELISA - This antibody can be used as capture antibody in Mouse PM20D1 ELISA (Cat. No.: 32700).

Quality Control Test

BCA to determine quantity of the antibody.