



## **Polyclonal Antibody against Human PM20D1**

**Catalog Number: 11700**

**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 human PM20D1 protein (Cat. No.: 41700) expressed in mammalian cells.

### **Specificity**

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

**ELISA** - This antibody can be used as capture antibody in Human PM20D1 ELISA (Cat. No.: 31700).

### **Quality Control Test**

BCA to determine quantity of the antibody.