



Polyclonal Antibody against Mouse MUP-1

Catalog Number: 12150

Size: 100 µg

Host: Rabbit

Introduction to the Molecule

Major urinary protein 1 (MUP-1), also known as Mup7, Up-1, Ltn-1, Mup-1, Mup-a, Mup10 and Lvtn-1, is a low molecular weight secreted protein produced predominantly from the liver¹. Structurally it belongs to the lipocalin family, which carries small hydrophobic ligands such as pheromones. MUP-1 is an important player in regulating energy expenditure and metabolism in mice, and its deficiency might contribute to the metabolic dysregulation in obese/diabetic mice².

Purification

Antigen affinity-purified

Immunogen

Recombinant full-length mouse MUP-1 expressed in *E.coli*.

Specificity

The antibody detects circular/urinary mouse MUP-1.

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 -70°C. Avoid repeated freeze/thaw cycles.

Application/Usage

ELISA - This antibody can be used at 1-2 µg/mL with the appropriate secondary reagents to detect mouse MUP-1.

Western blot.

Quality Control Test

BCA to determine quantity of the antibody.

References

1. McIntosh, I., and Bishop, J. O. (1989) *Mol. Cell. Biol.* 9, 2202–2207.
2. Zhou Y, Jiang L, Rui L. (2009) *J Biol Chem.* 284(17):11152-9.