



## Polyclonal Antibody against Mouse Mup1

**Catalog Number:** 12150

**Size:** 100 µg

**Host:** Rabbit

**Immunogen:**

Recombinant full-length mouse Mup1 expressed in E.Coli.

**Isotype/Preparation:**

Rabbit specific IgG was purified by mouse Mup1 affinity chromatography

**Specificity:**

The antibody detects circular/urinary mouse Mup1.

**Formulation:]**

Solution in PBS.

**Storage:**

Store at -20°C. For long-term storage, aliquot and freeze at -70°C.

Avoid repeated freeze/defrost cycles.

**Application/Usage:**

**ELISA** - This antibody can be used at 0.1 – 0.5 µg/mL with the appropriate secondary reagents to detect mouse Mup1.

**Western blot, Immunoprecipitation and immunocytochemistry** are not tested.

### Introduction

Major urinary protein 1 (Mup1), 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 liver<sup>[1]</sup>. Structurally it belongs to the lipocalin family, which carries small hydrophobic ligands such as pheromones. Mup1 is an important player in regulating energy expenditure and metabolism in mice, and its deficiency might contribute to the metabolic dysregulation in obese/diabetic mice<sup>[2]</sup>.

**Reference:**

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.