



Polyclonal Antibody against Mouse Autotaxin

Catalog Number: 12770

Size: 100 µg

Host: Rabbit

Introduction to the Molecule

Autotaxin (ATX, ENPP2) is a secreted glycoprotein with phosphodiesterase (PDE) activity. It is one of the members in the nucleotide pyrophosphatase/ phosphodiesterase family (NPPs) family. ATX has lysophospholipase D activity that converts lysophosphatidylcholine into LPA, and it was originally identified as a tumor cell-motility-stimulating factor. LPA, which specifically binds to G protein-coupled receptors (GPCR), has a wide range of biological activities, including cell hyperproliferation, which may contribute to oncogenesis and metastasis. ATX has been shown to be overexpressed in many tumor cells, and thus plays an important role in tumor development and metastasis. In addition, ATX also plays an important role in nervous and immune systems.

Purification

Antigen affinity-purified

Immunogen

Recombinant mouse autotaxin (Cat. No.: 42770) in mammalian cells.

Specificity

The antibody detects mouse autotaxin in western blot and ELISA.

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

Western blot - This antibody can be used as primary antibody in western blot assay to detect mouse autotaxin.

ELISA - This antibody can be used as capture antibody in Mouse Autotaxin ELISA (Cat. No.: 32770).

Quality Control Test

BCA to determine quantity of the antibody.