

## Polyclonal Antibody against Human Autotaxin

Catalog Number: 11770

Size: 100 ug

Host: Rabbit

### Introduction to the Molecule

Autotaxin (ATX, ENPP2) is a secreted glycoprotein with phosphodiesterase (PDE) activity. It is one of the member 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), plays a wide range of biological activities, including cell hyperproliferation, which may contribute to oncogenesis and metastasis.

ATX has been 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.

### Isotype/Preparation:

Rabbit specific IgG was purified by autotaxin affinity chromatography

### Immunogen:

Recombinant human autotaxin in *mammalian cells*. (Cat. No.: 41770)

### Specificity:

The antibody detects human autotaxin.

### Formulation:

Solution in PBS. Store at  $-20^{\circ}\text{C}$ . For long-term storage, aliquot and freeze at  $-70^{\circ}\text{C}$ . Avoid repeated freeze/defrost cycles.

### Application/Usage:

**Western blot:** This antibody can be used as primary antibody in western blot assay to detect human autotaxin.

**ELISA** - This antibody can be used as capture antibody in Human autotaxin Elisa (Cat. No.: 31770).

### Quality Control Test

BCA to determine quantity of the antibody

### Contact Us

- Website: [www.torontobioscience.com](http://www.torontobioscience.com)
- E-mail: [sales@torontobioscience.com](mailto:sales@torontobioscience.com)