



## **Polyclonal Antibody against Human Autotaxin**

**Catalog Number: 11770**

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

### **Specificity**

The antibody detects human 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/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.