Autotaxin, a member of the ENPP (Ectonucleotide pyrophosphatase/phosphodiesterase) family of ectoenzymes, was originally identified as a motogen secreted by a melanoma cell line and subsequently reported to promote cell proliferation, cell motility, angiogenesis, and neurite retraction. Autotaxin has lysophospholipase D activity and appears to exert its effects by generation of the lipid mediator lysophosphatidic acid (LPA) from lysophosphatidylecholine and sphingosine 1-phosphate (S1P) from sphingosylphosphorylcholine (SPC) outside the cell.

Autotaxin levels are significantly higher in cancerous tissues than in normal tissues suggesting that this novel extracellular protein may be involved in tumor progression.

Two Autotaxin antibodies are available;
KM105: Specifically reacts with a C-terminal fragment of Autotaxin
KM106: Specifically reacts with an N-terminal fragment of Autotaxin

**Package Size**
25µg (250µL/vial)

**Format**
Rabbit polyclonal antibody (0.1mg/mL)

**Buffer**
PBS [containing 2% Block Ace as a stabilizer, 0.1%Proclin as a bacteriostat]

**Storage**
Store below —20°C
Once thawed, store at 4°C. Repeated freeze-thaw cycles should be avoided.

**Purification method**
This antibody was established from the serum of a rabbit immunized with a peptide representing the C-terminal domain of Autotaxin.
Purified by peptide affinity chromatography.

**Working dilution**
For Immunohistochemistry: 0.2～2.0µg/ml

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**Immunohistochemistry**
Sample:
A) Mouse Spinal cord (Embryonic day 9.5)
B) Mouse Thalamus (Adult)

Preparation of antibodies and instruction:
Masu M.
Koike S.
University of Tsukuba
Graduate School of Comprehensive Human Sciences
【Reference】

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3. Tanaka M. et al.:
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4. Stefan C. et al.:
NPP-type ectophosphodiesterases: unity in diversity.