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- Gefahrgutzuschlag
- Expressversand

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# Autotaxin (h2): 293T Lysate: sc-170647

## BACKGROUND

Autotaxin (ATX), also designated ectonucleotide pyrophosphatase/phosphodiesterase 2 (E-NPP 2), is a membrane-bound glycoprotein that cleaves diester bonds for a broad range of substrates. Originally isolated from the human melanoma cell line (A2058), Autotaxin is predominantly expressed in brain, placenta, ovary and small intestine. Autotaxin has significant homology to the cell membrane differentiation antigen PC-1, and is a stimulator of tumor cell motility. It also functions as a catalyst by hydrolytically removing 5'-nucleotides from the 3'-hydroxy termini of 3'-hydroxy-terminated oligonucleotides.

## REFERENCES

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## CHROMOSOMAL LOCATION

Genetic locus: ENPP2 (human) mapping to 8q24.12.

## PRODUCT

Autotaxin (h2): 293T Lysate represents a lysate of human Autotaxin transfected 293T cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

## STORAGE

Store at -20° C. Repeated freezing and thawing should be minimized. Sample vial should be boiled once prior to use. Non-hazardous. No MSDS required.

## PROTOCOLS

See our web site at [www.scbt.com](http://www.scbt.com) for detailed protocols and support products.

## APPLICATIONS

Autotaxin (h2): 293T Lysate is suitable as a Western Blotting positive control for human reactive Autotaxin antibodies. Recommended use: 10-20 µl per lane.

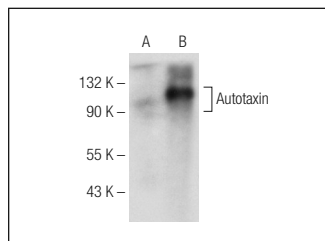
Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

Autotaxin (E-12): sc-374222 is recommended as a positive control antibody for Western Blot analysis of enhanced human Autotaxin expression in Autotaxin transfected 293T cells (starting dilution 1:100, dilution range 1:100-1:1,000).

## RECOMMENDED SUPPORT REAGENTS

To ensure optimal results, the following support reagents are recommended:  
1) Western Blotting: use m-IgGκ BP-HRP: sc-516102 or m-IgGκ BP-HRP (Cruz Marker): sc-516102-CM (dilution range: 1:1000-1:10000), Cruz Marker™ Molecular Weight Standards: sc-2035, UltraCruz® Blocking Reagent: sc-516214 and Western Blotting Luminol Reagent: sc-2048.

## DATA



Autotaxin (E-12): sc-374222. Western blot analysis of Autotaxin expression in non-transfected: sc-117752 (A) and human Autotaxin transfected: sc-170647 (B) 293T whole cell lysates.

## RESEARCH USE

For research use only, not for use in diagnostic procedures.