



# SZABO SCANDIC

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

# AChrR $\beta$ 1 (h): 293T Lysate: sc-171924

## BACKGROUND

Members of the ligand-gated ion channel receptor family are characterized by their fast transmitting response to neurotransmitters. Two important members of this family are the nicotinic acetylcholine and glutamate receptors, both of which are composed of five homologous subunits forming a transmembrane aqueous pore. These transmembrane receptors change conformation in response to their cognate neurotransmitter. Nicotinic acetylcholine receptors (AChRs) are found at the postsynaptic membrane of the neuromuscular junction and bind acetylcholine molecules, allowing ions to move through the pore. Glutamate receptors are found in the postsynaptic membrane of cells in the central nervous system. The activity that is generated at the synapse by the binding of acetylcholine is terminated by acetylcholinesterase, an enzyme that rapidly hydrolyzes acetylcholine.

## REFERENCES

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## CHROMOSOMAL LOCATION

Genetic locus: CHRN1 (human) mapping to 17p13.1.

## PRODUCT

AChrR $\beta$ 1 (h): 293T Lysate represents a lysate of human AChrR $\beta$ 1 transfected 293T cells and is provided as 100  $\mu$ g protein in 200  $\mu$ l 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.

## RESEARCH USE

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

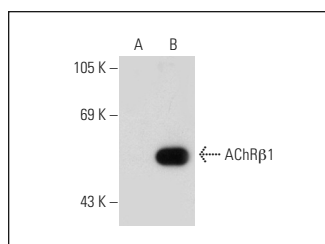
## APPLICATIONS

AChrR $\beta$ 1 (h): 293T Lysate is suitable as a Western Blotting positive control for human reactive AChrR $\beta$ 1 antibodies. Recommended use: 10-20  $\mu$ l per lane.

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

AChrR $\beta$ 1 (118): sc-65787 is recommended as a positive control antibody for Western Blot analysis of enhanced human AChrR $\beta$ 1 expression in AChrR $\beta$ 1 transfected 293T cells (starting dilution 1:100, dilution range 1:100-1:1,000).

## DATA



AChrR $\beta$ 1 (118): sc-65787. Western blot analysis of AChrR $\beta$ 1 expression in non-transfected: sc-117752 (A) and human AChrR $\beta$ 1 transfected: sc-171924 (B) 293T whole cell lysates.

## PROTOCOLS

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