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Produktinformation



Forschungsprodukte & Biochemikalien



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Diagnostik & molekulare Diagnostik



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Lieferung & Zahlungsart

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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

www.szabo-scandic.com

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

Anti-Nicotinic acetylcholine alpha4 beta 2 receptor [12H2] Standard Size Ab03284-15.0

This antibody does not have a J-chain and therefore presents as a hexamer, rather than a pentamer.

Isotype and Format: Human IgM, Kappa

Clone Number: 12H2

Alternative Name(s) of Target: CHRNB2; Nicotinic acetylcholine α 4 β 2 receptor; Neuronal acetylcholine receptor subunit beta-2; human α 4 β 2 nicotinic receptor; AChR

UniProt Accession Number of Target Protein: P17787

Published Application(s): ELISA

Published Species Reactivity: Human

Immunogen: The original antibody was generated by immunizing female BALB/c mice with human α 4 β 2 receptor protein purified in n-dodecyl- β -D-maltopyranoside (DDM).

Specificity: This antibody recognizes human α 4 β 2 receptor protein. The AChR responds by an extensive change in conformation after binding acetylcholine, that affects all subunits and leads to opening of an ion-conducting channel across the plasma membrane permeable to sodium ions.

Application Notes: The binding characterization of this antibody to human α 4 β 2 nicotinic receptor was done using ELISA.

Antibody First Published in: Walsh et al. Structural principles of distinct assemblies of the human α 4 β 2 nicotinic receptor. Nature. 2018 May;557(7704):261-265. [PMID:29720657](#)

Note on publication: This paper investigates the structural basis of the distinctive biophysical and pharmacological properties of the two different stoichiometries of this receptor.

Product Form

Size: 50 µg Purified antibody.

Purification: Affinity Purified using a recombinant lectin column

Supplied In: PBS with 0.02% Proclin 300.

Storage Recommendation: Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

Concentration: 1 mg/ml.

Important note - This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.