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Produktinformation



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Diagnostik & molekulare Diagnostik



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti-Nicotinic acetylcholine alpha4 beta 2 receptor [12H2] Standard Size Ab03284-23.0

This chimeric rabbit antibody was made using the variable domain sequences of the original Mouse IgG1 format for improved compatibility with existing reagents assays and techniques.

Isotype and Format: Rabbit IgG, Kappa

Clone Number: 12H2

Alternative Name(s) of Target: CHRN2; Nicotinic acetylcholine $\alpha 4\beta 2$ receptor; Neuronal acetylcholine receptor subunit beta-2; human $\alpha 4\beta 2$ 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 $\alpha 4\beta 2$ receptor protein purified in n-dodecyl- β -D-maltopyranoside (DDM).

Specificity: This antibody recognizes human $\alpha 4\beta 2$ 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 $\alpha 4\beta 2$ nicotinic receptor was done using ELISA.

Antibody First Published in: Walsh et al. Structural principles of distinct assemblies of the human $\alpha 4\beta 2$ 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: 200 µg Purified antibody.

Purification: Protein A affinity purified

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.