

Product datasheet

Anti-Nicotinic Acetylcholine Receptor epsilon antibody ab65180

★★★★☆ 1 Abreviews 1 References

Overview

Product name	Anti-Nicotinic Acetylcholine Receptor epsilon antibody
Description	Rabbit polyclonal to Nicotinic Acetylcholine Receptor epsilon
Tested applications	Suitable for: IHC-P, WB
Species reactivity	Reacts with: Mouse, Human Predicted to work with: Rat, a wide range of other species
Immunogen	Synthetic peptide derived from C terminal human Nicotinic Acetylcholine Receptor epsilon.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term.
Storage buffer	Preservative: None Constituents: Whole serum
Purity	Whole antiserum
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab65180** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		Use at an assay dependent concentration.
WB	★★★★☆	1/500 - 1/5000. Predicted molecular weight: 55 kDa.

Target

Function	After binding acetylcholine, the AChR responds by an extensive change in conformation that affects all subunits and leads to opening of an ion-conducting channel across the plasma membrane.
Involvement in disease	The muscle AChR is the major target antigen in the autoimmune disease myasthenia gravis. Myasthenia gravis is characterized by sporadic muscular fatigability and weakness, occurring chiefly in muscles innervated by cranial nerves, and characteristically improved by cholinesterase-inhibiting drugs. Myasthenic syndrome, congenital, 4A, slow-channel Myasthenic syndrome, congenital, 4B, fast-channel Myasthenic syndrome, congenital, 4C, associated with acetylcholine receptor deficiency
Sequence similarities	Belongs to the ligand-gated ion channel (TC 1.A.9) family. Acetylcholine receptor (TC 1.A.9.1) subfamily. Epsilon/CHRNE sub-subfamily.
Cellular localization	Cell junction, synapse, postsynaptic cell membrane. Cell membrane.

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