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Nicotinic Acetylcholine Receptor (nAChR) b4 Antibody

Rabbit Polyclonal Antibody
Catalog # AN1285

Specification

Nicotinic Acetylcholine Receptor (nAChR) b4 Antibody - Product Information

Application	**WB**
Primary Accession	Q8R493
Reactivity	**Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**55809**

Nicotinic Acetylcholine Receptor (nAChR) b4 Antibody - Additional Information

Gene ID	**108015**
Gene Name	**Chrnb4**

Target/Specificity
Fusion protein from the cytoplasmic loop of the beta 4 subunit of rat nAChR

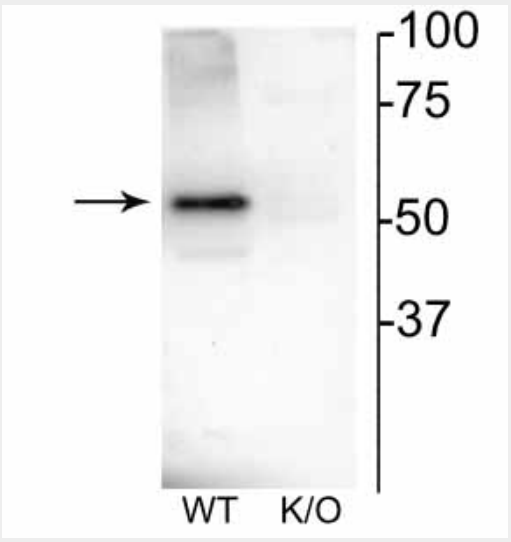
Dilution
WB~~ 1:1000

Format
Antigen Affinity Purified from Pooled Serum

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
Nicotinic Acetylcholine Receptor (nAChR) b4 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Shipping
Blue Ice



Western blot of mouse habenula lysate showing specific immunolabeling of the ~52 kDa nAChRβ4 protein.

Nicotinic Acetylcholine Receptor (nAChR) b4 Antibody - Background

Nicotinic acetylcholine receptors (nAChRs) are ionotropic, cholinergic receptors that are divided into 2 types; muscle type and neuronal type. Neuronal nAChRs are pentameric ion channels consisting of 5 identical (homopentamers) or different (heteropentamers) subunits. Heteropentameric neuronal nAChRs mediate fast synaptic transmission in the autonomic nervous system. The predominant hetero-oligomeric nAChR in the CNS contain the subunits α4β2, whereas α3β4 prevail in the PNS. However, the expression of these subunits varies not only by region but also during development (Scholze et al 2011). In the brain, β2-containing receptors greatly outnumber receptors that contain β4 (

Nicotinic Acetylcholine Receptor (nAChR) b4 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture