

RIC3 Antibody (C-term) Blocking peptide
Synthetic peptide
Catalog # BP12721b**Specification**

RIC3 Antibody (C-term) Blocking peptide - Product InformationPrimary Accession [Q7Z5B4](#)**RIC3 Antibody (C-term) Blocking peptide - Additional Information****Gene ID** 79608**Other Names**

Protein RIC-3, Resistant to inhibitor of cholinesterase 3, RIC3

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

RIC3 Antibody (C-term) Blocking peptide - Protein Information**Name** RIC3**Function**

Molecular chaperone which facilitates proper subunit assembly and surface trafficking of alpha-7 (CHRNA7) and alpha-8 (CHRNA8) nicotinic acetylcholine receptors (PubMed:12821669, PubMed:15504725, PubMed:16120769, PubMed:18691158, PubMed:32204458). May also promote functional expression of homomeric serotonergic 5-HT3 receptors, and of heteromeric acetylcholine receptors alpha-3/beta-2, alpha-3/beta-4, alpha-4/beta-2 and alpha-4/beta-4.

Cellular Location

[Isoform 1]: Endoplasmic reticulum membrane; Single-pass membrane protein

Tissue Location

Broadly expressed, with high levels in muscle, brain, heart, pancreas and testis. In the central nervous system, highest levels are detected in the cerebellum and pituitary gland Over-expressed in brains from patients with bipolar disease or schizophrenia. Isoform 5 is predominantly expressed in the brain

RIC3 Antibody (C-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

RIC3 Antibody (C-term) Blocking peptide - Images

RIC3 Antibody (C-term) Blocking peptide - Background

RIC3 is a protein associated with nicotinic acetylcholinereceptors (nAChRs), neurotransmitter-gated ion channels expressedat the neuromuscular junction and within the central and peripheralnervous systems, that can enhance functional expression of multiplenAChR subtypes (Lansdell et al., 2005 [PubMed 16120769]).[suppliedby OMIM].

RIC3 Antibody (C-term) Blocking peptide - References

Walstab, J., et al. J. Biol. Chem. 285(35):26956-26965(2010)Bailey, S.D., et al. Diabetes Care (2010) In press :Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009)Seredenina, T., et al. Biosci. Rep. 28(6):299-306(2008)Roncarati, R., et al. Assay Drug Dev Technol 6(2):181-193(2008)