

C9orf64 Antibody (C-term) Blocking peptide
Synthetic peptide
Catalog # BP5736b**Specification**

C9orf64 Antibody (C-term) Blocking peptide - Product Information

Primary Accession [Q5T6V5](#)
Other Accession [NP_115683.3](#)

C9orf64 Antibody (C-term) Blocking peptide - Additional Information

Gene ID 84267

Other Names

UPF0553 protein C9orf64, C9orf64

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.

C9orf64 Antibody (C-term) Blocking peptide - Protein Information

Name QNG1 ([HGNC:28144](#))

Synonyms C9orf64

Function

Catalyzes the hydrolysis of queuosine 5'-phosphate, releasing the nucleobase queuine (q). Is required for salvage of queuine from exogenous queuosine (Q) that is imported and then converted to queuosine 5'-phosphate intracellularly. In vitro, can also catalyze the release of the q base directly from Q as substrate; however, it was shown that Q is not the biologically relevant substrate. Shows a very low activity on queuosine 3',5'-diphosphate, and cannot release q from queuosine 3'-phosphate and from the 5'-nucleotides AMP, UMP, CMP or GMP, indicating specificity for the queuine base (PubMed:36610787). Can complement the yeast mutant SPAC589.05c, restoring Q incorporation into tRNA (PubMed:24911101).

C9orf64 Antibody (C-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

C9orf64 Antibody (C-term) Blocking peptide - Images

C9orf64 Antibody (C-term) Blocking peptide - References

Humphray, S.J., et al. Nature 429(6990):369-374(2004)