

KLRAQ1 Antibody (Center) Blocking peptide
Synthetic peptide
Catalog # BP11169c**Specification**

KLRAQ1 Antibody (Center) Blocking peptide - Product Information

Primary Accession [Q6ZMI0](#)
Other Accession [NP_694539.1](#), [NP_001180404.1](#),
[NP_001129101.1](#)

KLRAQ1 Antibody (Center) Blocking peptide - Additional Information

Gene ID 129285

Other Names

Protein phosphatase 1 regulatory subunit 21, Coiled-coil domain-containing protein 128, KLRAQ motif-containing protein 1, PPP1R21, CCDC128, KLRAQ1

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.

KLRAQ1 Antibody (Center) Blocking peptide - Protein Information

Name PPP1R21

Function

Component of the FERRY complex (Five-subunit Endosomal Rab5 and RNA/ribosome intermediary) (PubMed:37267905, PubMed:37267906). The FERRY complex directly interacts with mRNAs and RAB5A, and functions as a RAB5A effector involved in the localization and the distribution of specific mRNAs most likely by mediating their endosomal transport. The complex recruits mRNAs and ribosomes to early endosomes through direct mRNA-interaction (PubMed:37267905). In the complex, PPP1R21 serves as a binding hub connecting all five complex subunits and mediating the binding to mRNA and early endosomes via RAB5A (PubMed:37267906). Putative regulator of protein phosphatase 1 (PP1) activity (PubMed:19389623). May play a role in the endosomal sorting process or in endosome maturation pathway (Probable) (PubMed:30520571).

Cellular Location

Early endosome

KLRAQ1 Antibody (Center) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

KLRAQ1 Antibody (Center) Blocking peptide - Images**KLRAQ1 Antibody (Center) Blocking peptide - References**

Ota, T., et al. Nat. Genet. 36(1):40-45(2004)