

KLRAQ/CCDC128 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP56402

Product Information

Application	IHC-P, IHC-F, IF, ICC
Primary Accession	Q6ZMI0
Reactivity	Rat, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	88314

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
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

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