

CARKD Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP8700c**Specification**

CARKD Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [Q8IW45](#)**CARKD Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 55739**Other Names**

ATP-dependent (S)-NAD(P)H-hydrate dehydratase {ECO:0000255|HAMAP-Rule:MF_03157}, 42193 {ECO:0000255|HAMAP-Rule:MF_03157}, ATP-dependent NAD(P)HX dehydratase {ECO:0000255|HAMAP-Rule:MF_03157}, Carbohydrate kinase domain-containing protein {ECO:0000255|HAMAP-Rule:MF_03157}, CARKD {ECO:0000255|HAMAP-Rule:MF_03157}

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP8700c](/products/AP8700c) was selected from the Center region of human CARKD. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

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.

CARKD Antibody (Center) Blocking Peptide - Protein Information**Name** NAXD ([HGNC:25576](#))**Function**

Catalyzes the dehydration of the S-form of NAD(P)HX at the expense of ATP, which is converted to ADP. Together with NAD(P)HX epimerase, which catalyzes the epimerization of the S- and R-forms, the enzyme allows the repair of both epimers of NAD(P)HX, a damaged form of NAD(P)H that is a result of enzymatic or heat-dependent hydration.

Cellular Location

Mitochondrion {ECO:0000255|HAMAP-Rule:MF_03157}.

CARKD Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

CARKD Antibody (Center) Blocking Peptide - Images**CARKD Antibody (Center) Blocking Peptide - Background**

The exact function of CARKD remains unknown.

CARKD Antibody (Center) Blocking Peptide - References

Kimura,K., et.al., Genome Res. 16 (1), 55-65 (2006)