

FASTKD2 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP9877c**Specification**

FASTKD2 Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [Q9NYY8](#)**FASTKD2 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 22868**Other Names**

FAST kinase domain-containing protein 2, FASTKD2, KIAA0971

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.

FASTKD2 Antibody (Center) Blocking Peptide - Protein Information**Name** FASTKD2 {ECO:0000303|PubMed:27667664, ECO:0000312|HGNC:HGNC:29160}**Function**

Plays an important role in assembly of the mitochondrial large ribosomal subunit (PubMed:25683715). As a component of a functional protein-RNA module, consisting of RCC1L, NGRN, RPU3D3, RPU3D4, TRUB2, FASTKD2 and 16S mitochondrial ribosomal RNA (16S mt- rRNA), controls 16S mt-rRNA abundance and is required for intra- mitochondrial translation (PubMed:27667664, PubMed:25683715, PubMed:26370583). May play a role in mitochondrial apoptosis.

Cellular Location

Mitochondrion matrix, mitochondrion nucleoid Mitochondrion matrix. Note=Localizes to mitochondrial RNA granules found in close proximity to the mitochondrial nucleoids.

Tissue Location

Expression detected in spleen, thymus, testis, ovary, colon, heart, smooth muscle, kidney, brain, lung, liver and white adipose tissue with highest expression in heart, smooth muscle and thyroid.

FASTKD2 Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

FASTKD2 Antibody (Center) Blocking Peptide - Images

FASTKD2 Antibody (Center) Blocking Peptide - Background

This gene encodes a protein that is localized in the mitochondrial inner compartment and that may play a role in mitochondrial apoptosis. Nonsense mutations have been reported to result in cytochrome c oxidase deficiency.

FASTKD2 Antibody (Center) Blocking Peptide - References

Ghezzi, D., et al. Am. J. Hum. Genet. 83(3):415-423(2008)Hu, R.M., et al. Proc. Natl. Acad. Sci. U.S.A. 97(17):9543-9548(2000)