

Anti-FASTKD2 Antibody
Rabbit polyclonal antibody to FASTKD2
Catalog # AP59811**Specification**

Anti-FASTKD2 Antibody - Product Information

Application	WB
Primary Accession	O9NYY8
Other Accession	O922E6
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	81463

Anti-FASTKD2 Antibody - Additional Information**Gene ID** 22868**Other Names**

KIAA0971; FAST kinase domain-containing protein 2

Target/Specificity

Recognizes endogenous levels of FASTKD2 protein.

Dilution

WB~~WB (1/500 - 1/1000), IP (1/10 - 1/100)

Format

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

Storage

Store at -20 °C.Stable for 12 months from date of receipt

Anti-FASTKD2 Antibody - 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, RPUSD3, RPUSD4, TRUB2, FASTKD2 and 16S mitochondrial ribosomal RNA (16S mt- rRNA), controls 16S mt-rRNA abundance and is required for intra- mitochondrial translation (PubMed:25683715, PubMed:26370583, PubMed:27667664). 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.

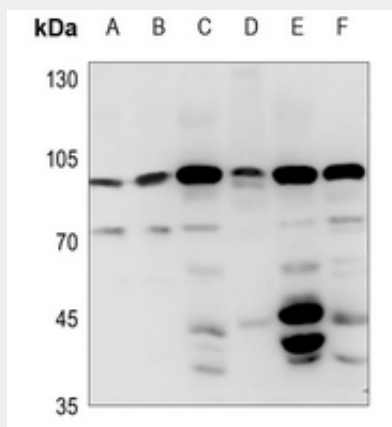
Tissue Location

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.

Anti-FASTKD2 Antibody - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-FASTKD2 Antibody - Images

Western blot analysis of FASTKD2 expression in H446 (A), A549 (B), mouse liver (C), mouse lung (D), rat liver (E), rat lung (F) whole cell lysates.

Anti-FASTKD2 Antibody - Background

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human FASTKD2. The exact sequence is proprietary.