10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

FASTKD2 Polyclonal Antibody

Catalog # AP69864

Product Information

Application	WB, IHC-P
Primary Accession	Q9NYY8
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	81463

Additional Information

Gene ID	22868
Other Names	FASTKD2; KIAA0971; FAST kinase domain-containing protein 2
Dilution	WB~~Western Blot: 1/500 - 1/2000. ELISA: 1/5000. Not yet tested in other applications. IHC-P~~N/A
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Storage Conditions	-20℃

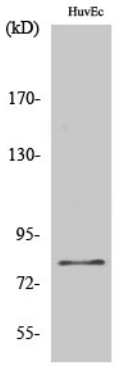
Protein Information

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.

Background

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:27667664).

Images



Western Blot analysis of various cells using FASTKD2 Polyclonal Antibody