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

Anti-FASTKD2 Antibody

Catalog # AP59811

Product Information

Application	WB
Primary Accession	Q9NYY8
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	81463

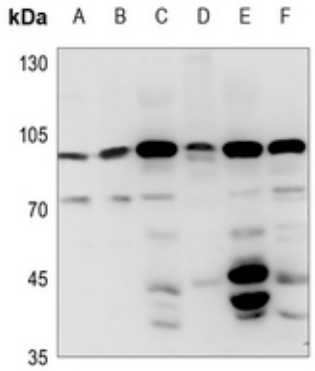
Additional Information

Gene ID	22868
Other Names	KIAA0971; FAST kinase domain-containing protein 2
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human FASTKD2. The exact sequence is proprietary.
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 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

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.

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. (Predicted band size: 81 kD; Observed band size: 95 kD)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.