

Anti-FASTKD5 Antibody

Catalog # AP53813

Product Information

Application	WB
Primary Accession	Q7L8L6
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	86574

Additional Information

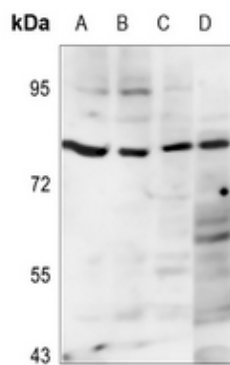
Gene ID	60493
Other Names	KIAA1792; FAST kinase domain-containing protein 5
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human FASTKD5. The exact sequence is proprietary.
Dilution	WB~~1/500 - 1/1000
Format	Liquid in 0.42% Potassium phosphate, 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	FASTKD5 (HGNC:25790)
Synonyms	KIAA1792
Function	Required for the processing of non-canonical mitochondrial pre-mRNAs within the primary mitochondrial polycistronic transcript, i.e. pre-mRNA sequences that are not flanked by tRNA (tRNA punctuation) (PubMed: 25683715 , PubMed: 40499538 , PubMed: 40637235). Has endoribonuclease activity and processes MT-CO1, MT-CO3 and MT-CYB pre-mRNAs, generating products with 3'/2'-phosphate or a 2',3'-cyclic phosphodiester at the 3'-end (PubMed: 40637235).
Cellular Location	Mitochondrion matrix, mitochondrion nucleoid 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, liver and thyroid.

Images



Western blot analysis of FASTKD5 expression in HEK293T (A), A549 (B), H1792 (C), rat liver (D) whole cell lysates. (Predicted band size: 86 kD; Observed band size: 87 kD)

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