DATASHEET

KNP-I Rabbit Polyclonal Antibody

CAT. NO. APA13341

KEY FEATURES

Target	KNP-I	Source / Host	Rabbit
Reactivity	Human, Mouse, Rat	Clonality	Polyclonal
Applications	WB, IF/ICC	Conjugation	Unconjugated
Form / Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.	Storage	at-20°C

BACKGROUND

glutamine amidotransferase class 1 domain containing 3B. Also known as: putative glutamine amidotransferase-like class 1 domain-containing protein 3B, mitochondrial; ES1 protein homolog, mitochondrial; Protein GT335; glutamine amidotransferase like class 1 domain containing 3B; glutamine amidotransferase-like class 1 domain-containing protein 3B, mitochondrial; keio novel protein-I.

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:2000
IF/ICC	1:10 - 1:100

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

Description	Rabbit polyclonal antibody to KNP-I
Specificity	Recognizes endogenous levels of KNP-I protein.
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human KNP-I
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 24; Observed: 25 kD
Form/Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	HES1; KNPI; ES1 protein homolog mitochondrial; Protein GT335; Protein KNP-I
Gene Symbol	C21orf33
Entrez Gene	102724023; 8209(Human)
SwissProt	P30042(Human)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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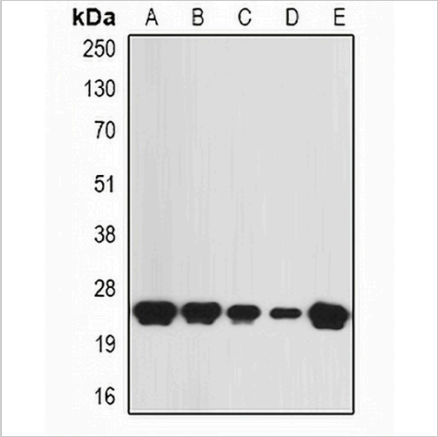
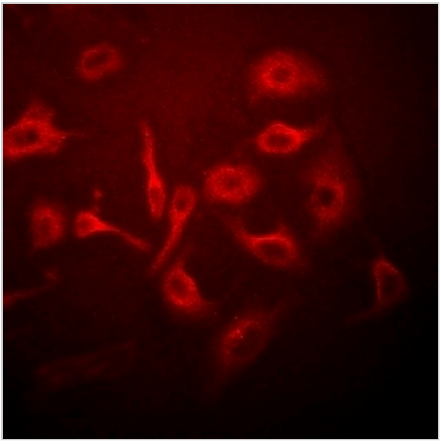
DATA



Western blot analysis of KNP-I expression in SW480 (A), HepG2 (B), mouse skin (C), mouse heart (D), rat skeletal muscle (E) whole cell lysates. (Predicted band size: 24; 28 kD; Observed band size: 25 kD)



Immunofluorescent analysis of KNP-I staining in HepG2 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark.

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.