DATASHEET

ANGEL2 Rabbit Polyclonal Antibody

CAT. NO. APA15060

KEY FEATURES

Target	ANGEL2	Source / Host	Rabbit
Reactivity	Human	Clonality	Polyclonal
Applications	WB	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

RNA 2',3'-cyclic phosphatase that catalyzes the hydrolysis of RNA molecules with a 2',3'-cyclic phosphate at the 3' end to produce RNA with a linear 3'-phosphate group . Essential for the maturation and processing of mitochondrial RNAs, particularly those generated via non-canonical pathways . Antagonizes pre-tRNA processing and XBP1 mRNA splicing during the unfolded protein response by limiting the availability of 2',3'-cyclic phosphate substrates for the tRNA ligase complex . Promotes tRNA recycling by eliminating 2',3'-cyclic phosphate groups from cleaved tRNAs, thereby enabling the tRNA nucleotidyltransferase TRNT1 to reattach the CCA tail essential for aminoacylation and subsequent translation .

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

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

PRODUCT OVERVIEW

Description	Rabbit polyclonal antibody to ANGEL2
Specificity	Recognizes endogenous levels of ANGEL2 protein
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human ANGEL2. The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 42; Observed: 62 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	KIAA0759L; Protein angel homolog 2
Gene Symbol	ANGEL2
Entrez Gene	90806(Human)
SwissProt	Q5VTE6(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.

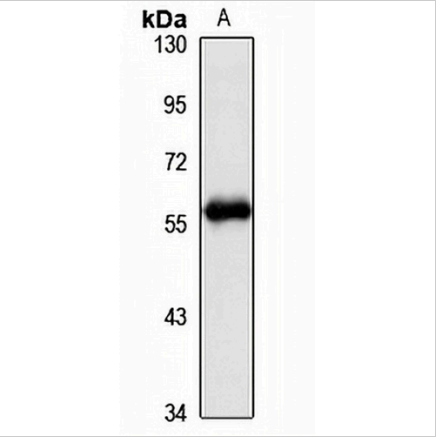
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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DATA



Western blot analysis of ANGEL2 expression in U251MG (A) whole cell lysates. (Predicted band size: 42; 62 kD; Observed band size: 62 kD)

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.