

Product datasheet for **AP14223PU-N**

KIAA1970 (EARS2) (C-term) Rabbit Polyclonal Antibody

Product data:

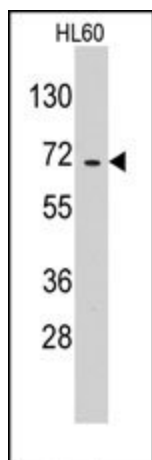
Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	ELISA: 1/1,000. Western blotting: 1/50 - 1/100. Immunohistochemistry: 1/10 - 1/50.
Reactivity:	Human
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	This antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide selected from the C-terminal region of human EARS2.
Specificity:	This antibody reacts to EARS2.
Formulation:	PBS with 0.09% (W/V) sodium azide State: Purified State: Liquid purified Ig
Concentration:	lot specific
Purification:	Prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	glutamyl-tRNA synthetase 2, mitochondrial
Database Link:	Entrez Gene 124454 Human Q5JPH6
Background:	Glutamyl-tRNA synthetase (GluRS or EARS2) a class I aminoacyl-tRNA synthetase (aaRS), is primarily responsible for the glutamylation of tRNAGlu. It is part of the 'minimal set' of seventeen aaRSs found in every living organism and its presence is essential for the viability of cells.



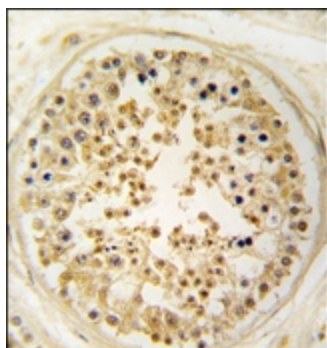
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Synonyms: EARS2, KIAA1970, Glutamyl-tRNA synthetase, mitochondrial, EC=6.1.1.17, Glutamate-tRNA ligase, GluRS

Product images:



Western blot analysis of anti-EARS2 Pab in HL60 cell line lysates (35ug/lane).EARS2 (arrow) was detected using the purified Pab (1:60 dilution).



Formalin-fixed and paraffin-embedded human testis tissue reacted with EARS2 antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining.