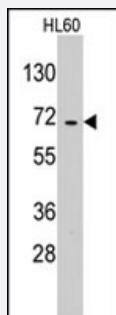


EARS2 polyclonal antibody

Catalog # PAB2973

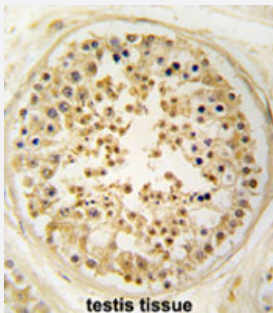
Size 400 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of EARS2 polyclonal antibody (Cat # PAB2973) in HL-60 cell line lysates (35 ug/lane). EARS2 (arrow) was detected using the purified polyclonal antibody.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Formalin-fixed and paraffin-embedded human testis reacted with EARS2 polyclonal antibody (Cat # PAB2973), which was peroxidase-conjugated to the secondary antibody, followed by AEC staining.

This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of EARS2.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to C-terminus of human EARS2.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Ammonium sulfate precipitation

Recommend Usage	Western Blot (1:1000) Immunohistochemistry (1:10-50) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

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Gene Info — EARS2

Entrez GeneID	124454
Protein Accession#	NP_001077083:Q5JPH6
Gene Name	EARS2
Gene Alias	KIAA1970, MSE1
Gene Description	glutamyl-tRNA synthetase 2, mitochondrial (putative)
Gene Ontology	Hyperlink
Gene Summary	O
Other Designations	glutamate tRNA ligase 2, mitochondrial (putative) glutamyl tRNA synthetase 2

Publication Reference

- [Toward the full set of human mitochondrial aminoacyl-tRNA synthetases: characterization of AspRS and TyrRS.](#)

Bonnefond L, Fender A, Rudinger-Thirion J, Giege R, Florentz C, Sissler M.

Biochemistry 2005 Mar; 44(12):4805.

Pathway

- [Aminoacyl-tRNA biosynthesis](#)
- [Metabolic pathways](#)
- [Porphyrin and chlorophyll metabolism](#)