

Datasheet for ABIN359739
anti-EARS2 antibody (C-Term)[Go to Product page](#)

2 Images

Overview

Quantity:	0.4 mL
Target:	EARS2
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This EARS2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	This antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide selected from the C-terminal region of human EARS2.
Isotype:	Ig Fraction
Specificity:	This antibody reacts to EARS2.
Purification:	Prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS

Target Details

Target:	EARS2
Alternative Name:	EARS2 (EARS2 Products)

Target Details

Background: Glutamyl-tRNA synthetase (GluRS or EARS2) a class I aminoacyl-tRNA synthetase (aaRS), is primarily responsible for the glutamylation of tRNA^{Glu}. 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. Synonyms: EARS2, EC=6.1.1.17, GluRS, Glutamate-tRNA ligase, Glutamyl-tRNA synthetase, KIAA1970, mitochondrial

Gene ID: 124454, 9606

UniProt: [Q5JPH6](#)

Application Details

Application Notes: ELISA: 1/1,000. Western blotting: 1/50 - 1/100. Immunohistochemistry: 1/10 - 1/50.
Other applications not tested.
Optimal dilutions are dependent on conditions and should be determined by the user.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.25 mg/mL

Buffer: PBS with 0.09 % (W/V) sodium azide

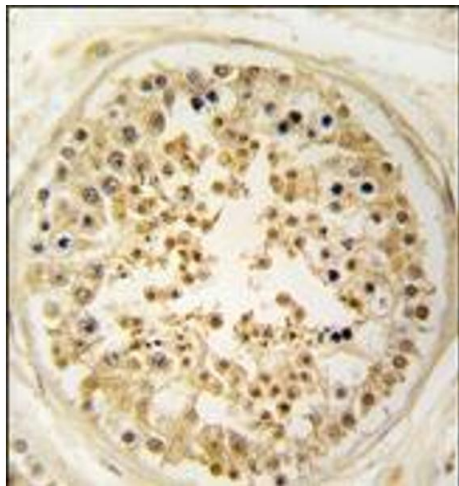
Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

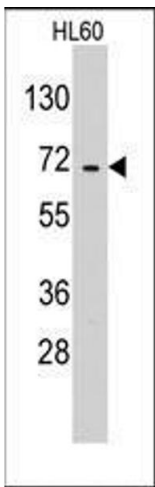
Storage: 4 °C/-20 °C

Storage Comment: Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. 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.



Western Blotting

Image 2. 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).