

Datasheet for ABIN391828
anti-EARS2 antibody (C-Term)[Go to Product page](#)

2 Images

1 Publication

Overview

Quantity:	400 µL
Target:	EARS2
Binding Specificity:	AA 495-523, 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))

Product Details

Immunogen:	This EARS2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 495-523 amino acids from the C-terminal region of human EARS2.
Clone:	RB14808
Isotype:	Ig Fraction
Purification:	This antibody is 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.
Molecular Weight:	58689
Gene ID:	124454
NCBI Accession:	NP_001077083
UniProt:	Q5JPH6

Application Details

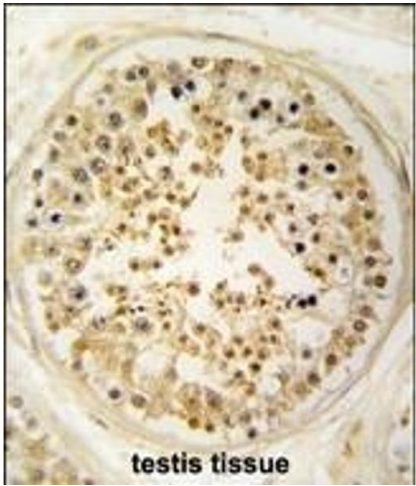
Application Notes:	WB: 1:1000. IHC-P: 1:10~50
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in 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.
Storage:	4 °C, -20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months

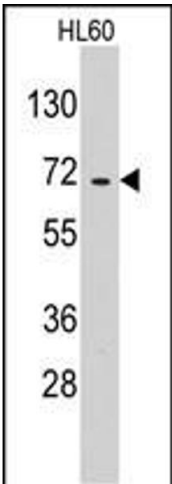
Publications

Product cited in:	Chen, Hou, Fan, Jin, Wang: "Sonic hedgehog protein regulates fibroblast growth factor 8 expression in metanephric explant culture from BALB/c mice: Possible mechanisms associated with renal morphogenesis." in: Molecular medicine reports , Vol. 14, Issue 4, pp. 2929-36, (2017) (PubMed).
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Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Formalin-fixed and paraffin-embedded human testis tissue reacted with EARS2 antibody (C-term) (ABIN391828 and ABIN2841672) , which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated.



Western Blotting

Image 2. Western blot analysis of anti-EARS2 Pab (ABIN391828 and ABIN2841672) in HL60 cell line lysates (35 µg/lane).EARS2 (arrow) was detected using the purified Pab.