

Datasheet for ABIN6293105

anti-EARS2 antibody[Go to Product page](#)**1** Image

Overview

Quantity:	50 µL
Target:	EARS2
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This EARS2 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Recombinant protein of human EARS2
Isotype:	IgG
Purification:	Affinity purification

Target Details

Target:	EARS2
Alternative Name:	EARS2 (EARS2 Products)
Background:	<p>This gene encodes a member of the class I family of aminoacyl-tRNA synthetases. These enzymes play a critical role in protein biosynthesis by charging tRNAs with their cognate amino acids. This protein is encoded by the nuclear genome but is likely to be imported to the mitochondrion where it is thought to catalyze the ligation of glutamate to tRNA molecules. Mutations in this gene have been associated with combined oxidative phosphorylation</p>

Target Details

	deficiency 12 (COXPD12). Alternative splicing results in multiple transcript variants.
Molecular Weight:	58.689 kDa
Gene ID:	124454
UniProt:	Q5JPH6

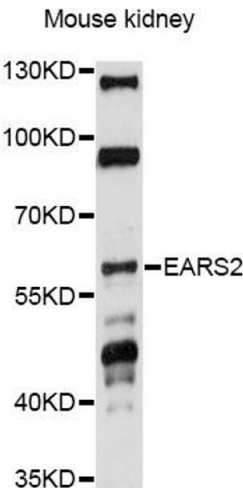
Application Details

Application Notes:	WB 1:500 - 1:2000
Restrictions:	For Research Use only

Handling

Buffer:	PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3.
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:	-20 °C
Storage Comment:	Store at -20C. Avoid freeze / thaw cycles.

Images



Western Blotting

Image 1. Western blot analysis of extracts of mouse kidney, using EARS2 antibody (ABIN6293105) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 15s.