

## EARS2 Polyclonal Antibody

Catalog No: #28779

Package Size: #28779-1 50ul #28779-2 100ul

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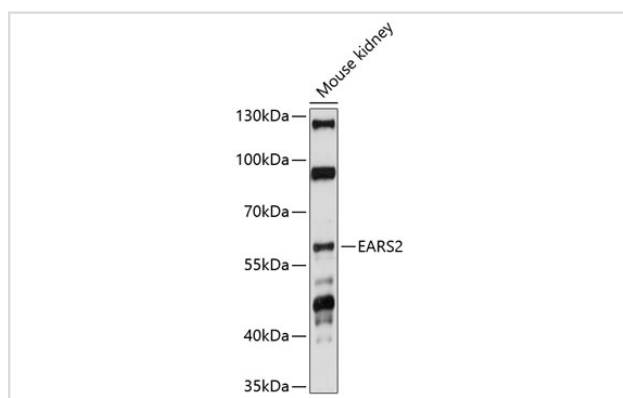
## Description

Product Name	EARS2 Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB
Species Reactivity	Mouse
Immunogen Description	Recombinant fusion protein of human EARS2 (NP_001295140.1).
Other Names	EARS2; COXPD12; MSE1; gluRS; glutamyl-tRNA synthetase 2, mitochondrial
Accession No.	Swiss-Prot#:Q5JPH6NCBI Gene ID:124454
Uniprot	Q5JPH6
GeneID	124454;
Calculated MW	59kDa
Formulation	Avoid freeze / thaw cycles. Buffer: PBS with 50% glycerol, pH7.4.
Storage	Store at -20°C

## Application Details

WB 1:500 - 1:2000

## Images



Western blot analysis of extracts of mouse kidney, using EARS2 at 1:1000 dilution.

## Background

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 deficiency 12 (COXPD12). Alternative splicing results in multiple transcript variants.

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Note: This product is for in vitro research use only