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Datasheet for ABIN7267433 anti-EARS2 antibody (AA 42-220)

Overview

Quantity:	100 µL
Target:	EARS2
Binding Specificity:	AA 42-220
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This EARS2 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	EARS2 Rabbit pAb
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 42-220 of human EARS2 (NP_001295140.1).
Sequence:	APSPTGFLHL GGLRTALYNY IFAKKYQGSF ILRLETDQT RVVPGAAENI EDMLEWAGIP PDESPRRGGP AGPYQQSQRL ELYAQATEAL LKTGAAYPCF CSPQRLELLK KEALRNHQTP RYDNRCRNMS QEQVAQKLAK DPKPAIRFRL EQVVPAFQDL VYGWNRHEVA SVEGDPVIM
Isotype:	IgG
Cross-Reactivity:	Mouse
Characteristics:	Polyclonal Antibodies
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 deficiency 12 (COXPD12). Alternative splicing results in multiple transcript variants.,EARS2,COXPD12,MSE1,gluRS,Epigenetics & Nuclear Signaling,Cancer,Signal Transduction,Endocrine & Metabolism,Mitochondrial metabolism,Mitochondrial markers,Mitochondrial translation,Nucleotide metabolism,EARS2</p>
Molecular Weight:	58kDa/59kDa
Gene ID:	124454
UniProt:	Q5JPH6

Application Details

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

Handling

Format:	Liquid
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 -20°C. Avoid freeze / thaw cycles.