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PARS2 Antibody - N-terminal region

Rabbit Polyclonal Antibody
Catalog # AI15449

Product Information

Application	WB
Primary Accession	Q7L3T8
Other Accession	NM_152268, NP_689481
Reactivity	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Guinea Pig, Horse, Bovine
Predicted	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Guinea Pig, Horse, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	53263

Additional Information

Gene ID	25973
Alias Symbol	MT-PRORS
Other Names	Probable proline--tRNA ligase, mitochondrial, 6.1.1.15, Prolyl-tRNA synthetase, ProRS, PARS2
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-PARS2 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	PARS2 Antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

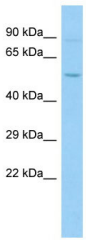
Protein Information

Name	PARS2 (HGNC:30563)
Function	Mitochondrial aminoacyl-tRNA synthetase that catalyzes the specific attachment of the proline amino acid (aa) to the homologous transfer RNA (tRNA), further participating in protein synthesis. The reaction occurs in a two steps: proline is first activated by ATP to form Pro-AMP and then transferred to the acceptor end of tRNA(Pro).
Cellular Location	Mitochondrion matrix

References

Ota T.,et al.Nat. Genet. 36:40-45(2004).
Gregory S.G.,et al.Nature 441:315-321(2006).
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.
Bechtel S.,et al.BMC Genomics 8:399-399(2007).

Images



Host: Rabbit
Target Name: PARS2
Sample Tissue: PANC1 Whole cell lysate
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Antibody Dilution: 1.0µg/ml

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.