10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

PARS2 Antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI15449

Specification

PARS2 Antibody - N-terminal region - Product Information

Application	**WB**
Primary Accession	Q7L3T8
Other Accession	NM_152268, NP_689481
Reactivity	**Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Guinea Pig**
Predicted	**Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Guinea Pig**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**52kDa KDa**

PARS2 Antibody - N-terminal region - 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.

PARS2 Antibody - N-terminal region - 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

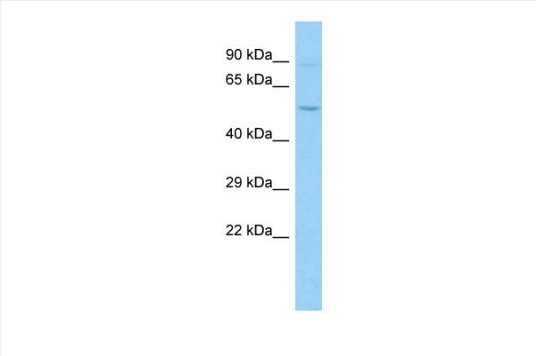
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PARS2 Antibody - N-terminal region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

PARS2 Antibody - N-terminal region - Images



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

PARS2 Antibody - N-terminal region - 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).