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RARS2 Rabbit pAb

Catalog # AP96897

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q5T160
Other Accession	Q5T160
Reactivity	Rat, Human, Mouse
Predicted	Pig, Rabbit, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	65505
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human RARS2
Epitope Specificity	221-320/578
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	Preservative: 0.02% Proclin300, Constituents: 1% BSA, 0.01M PBS, pH7.4.
SIMILARITY	Belongs to the class-I aminoacyl-tRNA synthetase family.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	The protein encoded by this gene is an arginyl-tRNA synthetase that is found in the mitochondrial matrix. Defects in this gene are a cause of pontocerebellar hypoplasia type 6 (PCH6). [provided by RefSeq, Oct 2008]

Additional Information

Gene ID	57038
Other Names	ArgRS; DALRD2; PCH6; PRO1992; RARSL; SYRM_BOVIN; RARS2; Arginyl-tRNA synthetase (ArgRS); 6.1.1.19; SYRM_HUMAN; arginyl-tRNA synthetase 2, mitochondrial; arginyl-tRNA synthetase-like; arginine tRNA ligase 2, mitochondrial (putative)
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	RARS2
Synonyms	RARSL

Function	Catalyzes the attachment of arginine to tRNA(Arg) in a two- step reaction: arginine is first activated by ATP to form Arg-AMP and then transferred to the acceptor end of tRNA(Arg).
Cellular Location	Mitochondrion membrane

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