

Rabbit anti-Human YARS2 Polyclonal Antibody | anti-YARS2 antibody

Anti-YARS2 Antibody, Rabbit Polyclonal

CATALOG # AAA256620	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry
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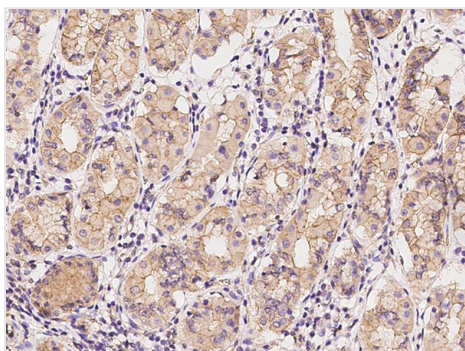
PRODUCT SYNONYMS

YARS2; Polyclonal Antibody; Anti-YARS2 Antibody; Rabbit Polyclonal; YARS2 Antibody; Rabbit PAb; Antigen Affinity Purified; tyrosyl-tRNA synthetase 2; mitochondrial; Anti-CGI-04 Antibody; Anti-MLSA2 Antibody; Anti-MT-TYRRS Antibody; Anti-TYRRS Antibody; anti-YARS2 antibody

PRODUCT SPECIFICATIONS

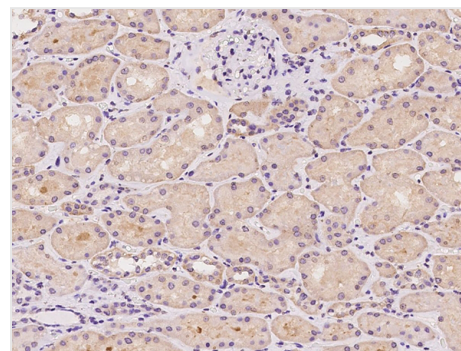
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human YARS2
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-YARS2 antibody	IHC (Immunohistochemistry)
Immunogen	E Coli-derived Human YARS2 fragment
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with E Coli-derived Human YARS2 fragment, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunochemical staining of human YARS2 in human stomach with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)

Immunochemical staining of human YARS2 in human kidney with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.

ADDITIONAL INFORMATION

Related Product Information for anti-YARS2 antibody	YARS2 (Tyrosyl-TRNA Synthetase 2) is a Protein Coding gene. The YARS2 gene, located on 12p11.21, is conserved in chimpanzee, Rhesus monkey, dog, cow, mouse, and rat, etc. YARS2 belongs to the class-I aminoacyl-tRNA synthetase family. This gene encodes the mitochondrial tyrosyl-tRNA synthetase that catalyzes the attachment of tyrosine to tRNA(Tyr) in a two-step reaction: tyrosine is first activated by ATP to form Tyr-AMP and then transferred to the acceptor end of tRNA(Tyr). YARS2 is widely expressed in the brain, endometrium, and other tissues. Diseases associated with YARS2 include Myopathy, Lactic Acidosis, And Sideroblastic Anemia 2, and Myopathy, Lactic Acidosis, And Sideroblastic Anemia 1.
References	Sommerville EW, et al. (2017) Clinical features, molecular heterogeneity, and prognostic implications in yars2-related mitochondrial myopathy. JAMA Neurol 74 (6): 686-694.Riley LG, et al. (2018) The phenotypic spectrum of germline yars2 variants: From isolated sideroblastic anemia to mitochondrial myopathy, lactic acidosis and sideroblastic anemia 2. Haematologica 103 (12): 2008-2015.Nakajima J, et al. (2014) A novel homozygous yars2 mutation causes severe myopathy, lactic acidosis, and sideroblastic anemia 2. J Hum Genet 59 (4): 229-232.Ardissone A, et al. (2015) A novel homozygous yars2 mutation in two italian siblings and a review of literature. JIMD Rep 20 95-101.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/yars2-antibody-immunohistochemistry-elisa/256620>