

## Product datasheet for **TA349599S**

### YARS2 Rabbit Polyclonal Antibody

#### Product data:

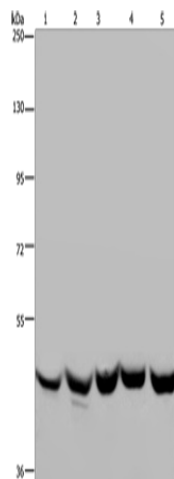
Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 500-2000 WB positive control: NIH/3T3, A172, HepG2, K562 and Hela cells IHC: 25-100 Positive control: Human gastric cancer Predicted cell location: Cytoplasm
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein of human YARS2
Formulation:	pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	53 kDa
Gene Name:	tyrosyl-tRNA synthetase 2
Database Link:	<a href="#">NP_001035526</a> <a href="#">Entrez Gene 70120</a> <a href="#">MouseEntrez Gene 287924</a> <a href="#">RatEntrez Gene 51067</a> <a href="#">Human Q9Y2Z4</a>
Background:	This gene encodes a mitochondrial protein that catalyzes the attachment of tyrosine to tRNA(Tyr). Mutations in this gene are associated with myopathy with lactic acidosis and sideroblastic anemia type 2 (MLASA2).
Synonyms:	CGI-04; MLASA2; MT-TYRRS; TYRRS
Protein Families:	Druggable Genome



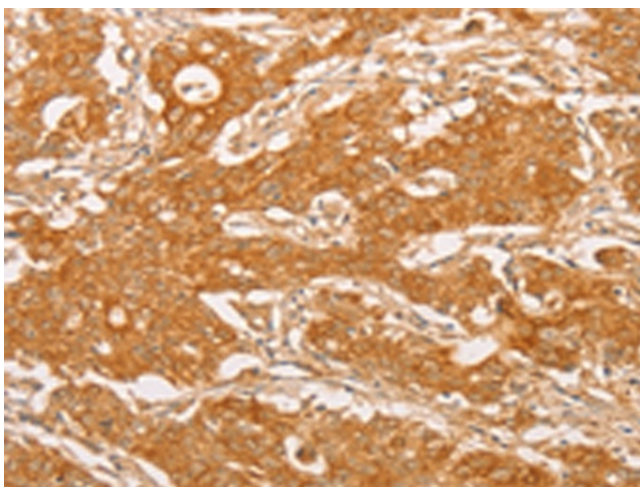
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Protein Pathways: Aminoacyl-tRNA biosynthesis

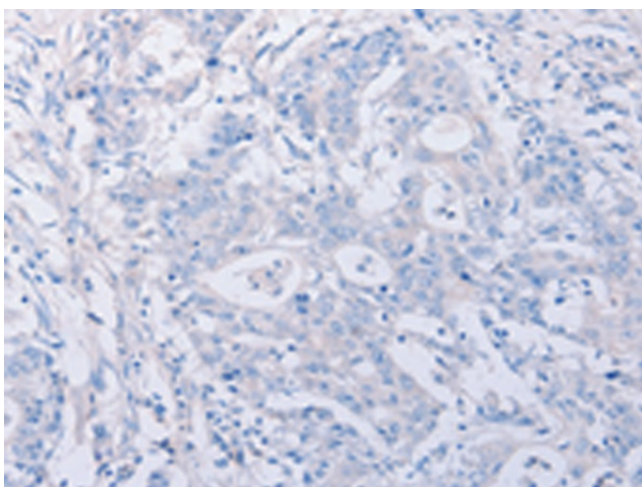
### Product images:



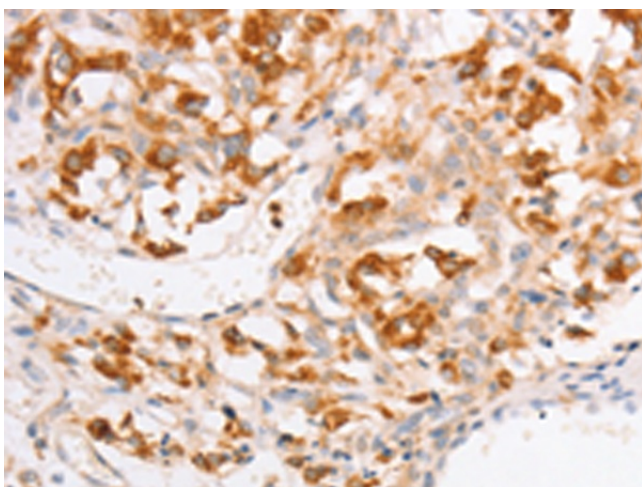
Gel: 6%SDS-PAGE  
Lysate: 40  $\mu$ g  
Lane 1-5: NIH/3T3 cells  
A172 cells  
HepG2 cells  
K562 cells  
Hela cells  
Primary antibody: [TA349599] (YARS2 Antibody)  
at dilution 1/250  
Secondary antibody: Goat anti rabbit IgG at  
1/8000 dilution  
Exposure time: 30 seconds



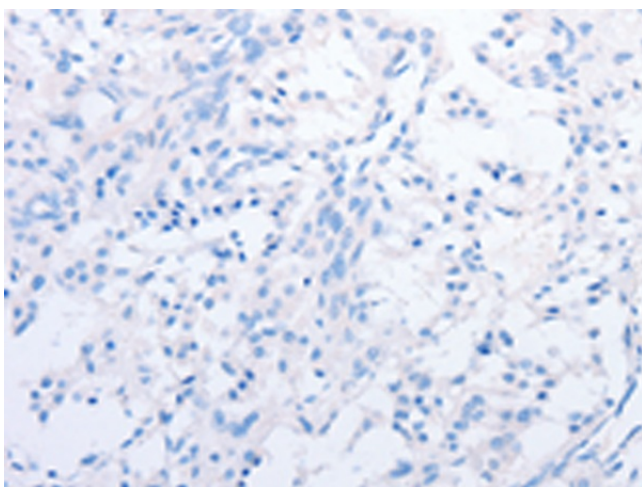
Immunohistochemistry of paraffin-embedded  
Human gastric cancer tissue using [TA349599]  
(YARS2 Antibody) at dilution 1/20 (Original  
magnification:  $\times$ 200)



Immunohistochemistry of paraffin-embedded Human gastric cancer tissue using [TA349599] (YARS2 Antibody) at dilution 1/20, treated with fusion protein. (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using [TA349599] (YARS2 Antibody) at dilution 1/20 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using [TA349599] (YARS2 Antibody) at dilution 1/20, treated with fusion protein. (Original magnification: ×200)