



## Rabbit Anti-GARS antibody

SL10752R

<b>Product Name:</b>	GARS
<b>Chinese Name:</b>	X连锁Charcot-Marie-Tooth神经病变相关蛋白抗体
<b>Alias:</b>	AP 4 A synthetase; Charcot Marie Tooth neuropathy 2D; Charcot Marie Tooth neuropathy neuronal type D; CMT2D; Diadenosine tetraphosphate synthetase; DSMAV; EC 6.1.1.14; Glycine tRNA ligase; Glycyl tRNA synthetase; GlyRS; HMN5; SMAD1.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Horse,Sheep,
<b>Applications:</b>	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	83kDa
<b>Cellular localization:</b>	The nucleuscytoplasmic
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human GARS:201-300/739
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. 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.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	This gene encodes glycyl-tRNA synthetase, one of the aminoacyl-tRNA synthetases that charge tRNAs with their cognate amino acids. The encoded enzyme is an (alpha) <sub>2</sub> dimer which belongs to the class II family of tRNA synthetases. It has been shown to be a target of autoantibodies in the human autoimmune diseases, polymyositis or

dermatomyositis. [provided by RefSeq, Jul 2008]

**Function:**

GARS synthetase catalyzes the ligation of glycine with glycyl-tRNA using ATP and its mutation induces Charcot-Marie-Tooth (CMT) disease.

**Subcellular Location:**

Cytoplasmic.

**SWISS:**

P41250

**Gene ID:**

2617

**Database links:**

[Entrez Gene: 2617](#)Human

[Entrez Gene: 353172](#)Mouse

[Entrez Gene: 297113](#)Rat

[Oimim: 600287](#)Human

[SwissProt: P41250](#)Human

[SwissProt: Q9CZD3](#)Mouse

[SwissProt: Q5I0G4](#)Rat

[Unigene: 404321](#)Human

[Unigene: 3338](#)Rat

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.