



Rabbit Anti-Leucyl tRNA synthetase antibody

SL18227R

Product Name:	Leucyl tRNA synthetase
Chinese Name:	胞浆亮氨酸tRNA连接酶抗体
Alias:	Cytoplasmic leucyl tRNA synthetase; Cytosolic leucyl tRNA synthetase; FLJ10595; FLJ21788; hr025Cl; HSPC 192; HSPC192; KIAA1352; LARS 1; LARS; LARS1; Leucine translase; Leucine tRNA ligase; Leucine tRNA ligase; Leucyl tRNA synthetase cytoplasmic; LeuRS; LEUS; LRS; PIG 44; PIG44; Proliferation inducing gene 44; RNTLS.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Horse,Rabbit,
Applications:	ELISA=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.
Molecular weight:	135kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human Leucyl tRNA synthetase:201-300/1176
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	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.
PubMed:	PubMed
Product Detail:	This gene encodes a cytosolic leucine-tRNA synthetase, a member of the class I aminoacyl-tRNA synthetase family. The encoded enzyme catalyzes the ATP-dependent

ligation of L-leucine to tRNA(Leu). It is found in the cytoplasm as part of a multisynthetase complex and interacts with the arginine tRNA synthetase through its C-terminal domain. Alternatively spliced transcript variants of this gene have been found; however, their full-length nature is not known. [provided by RefSeq, Jul 2008]

Function:

Leucyl tRNA synthetase is a component of multi ARS complex and catalyzes the ligation of leucine with leucyl tRNA.

Subcellular Location:

Cytoplasmic

Similarity:

Belongs to the class-I aminoacyl-tRNA synthetase family.

SWISS:

Q9P2J5

Gene ID:

51520

Database links:

[Entrez Gene: 51520](#) Human

[Entrez Gene: 107045](#) Mouse

[Omim: 151350](#) Human

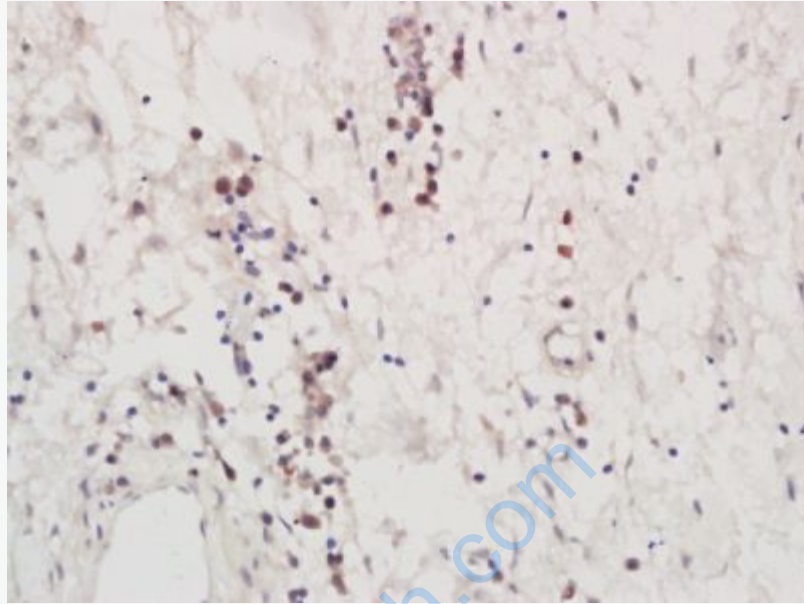
[SwissProt: Q9P2J5](#) Human

[SwissProt: Q8BMJ2](#) Mouse

[Unigene: 432674](#) Human

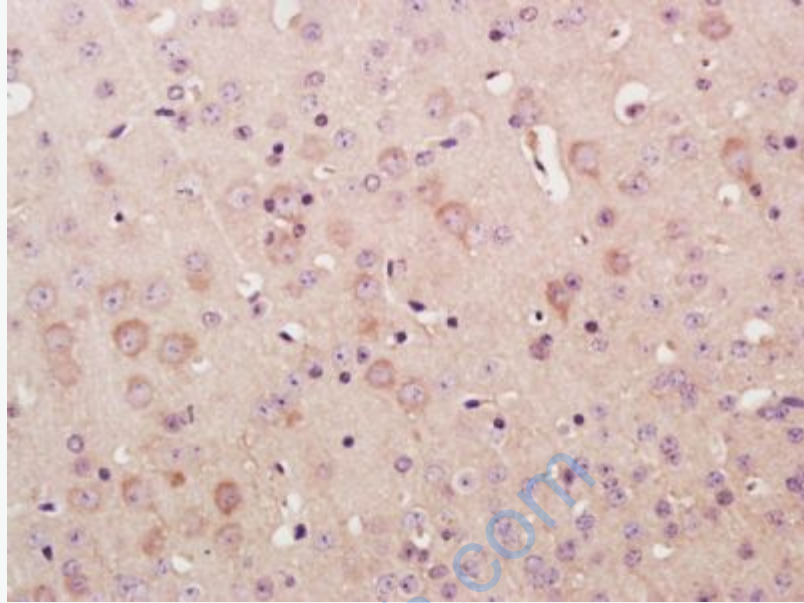
Important Note:

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



Picture:

Paraformaldehyde-fixed, paraffin embedded (Human colorectal cancer); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Leucyl tRNA synthetase) Polyclonal Antibody, Unconjugated (SL18227R) at 1:400 overnight at 4°C, followed by a conjugated secondary antibody (sp-0023) for 20 minutes and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Leucyl tRNA synthetase) Polyclonal Antibody, Unconjugated (SL18227R) at 1:400 overnight at 4°C, followed by a conjugated secondary antibody (sp-0023) for 20 minutes and DAB staining.