



Rabbit Anti-GIG34 antibody

SL5715R

Product Name:	GIG34
Chinese Name:	细胞生长抑制蛋白34
Alias:	60S ribosomal protein L11; Cell growth inhibiting protein 34; Cell growth inhibiting protein34; CLL associated antigen KW 12; CLL associated antigen KW12; DBA 7; DBA7; GIG 34; GIG34; Ribosomal protein L11; RPL 11; RL11_HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=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:	20kDa
Cellular localization:	The nucleus
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human RPL11/GIG34:101-178/178
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:	Ribosomes, the organelles that catalyze protein synthesis, consist of a small 40S subunit and a large 60S subunit. Together these subunits are composed of 4 RNA species and approximately 80 structurally distinct proteins. This gene encodes a ribosomal protein that is a component of the 60S subunit. The protein belongs to the L5P family of ribosomal proteins. It is located in the cytoplasm. The protein probably associates with

the 5S rRNA. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome. [provided by RefSeq, Dec 2010].

Function:

Binds to 5S ribosomal RNA (By similarity). Required for rRNA maturation and formation of the 60S ribosomal subunits. Promotes nucleolar location of PML (By similarity).

Subunit:

Interacts with PML and MDM2 (By similarity).

Subcellular Location:

Nucleus, nucleolus (By similarity).

DISEASE:

Diamond-Blackfan anemia 7 (DBA7) [MIM:612562]: A form of Diamond-Blackfan anemia, a congenital non-regenerative hypoplastic anemia that usually presents early in infancy. Diamond-Blackfan anemia is characterized by a moderate to severe macrocytic anemia, erythroblastopenia, and an increased risk of malignancy. 30 to 40% of Diamond-Blackfan anemia patients present with short stature and congenital anomalies, the most frequent being craniofacial (Pierre-Robin syndrome and cleft palate), thumb and urogenital anomalies. Note=The disease is caused by mutations affecting the gene represented in this entry.

Similarity:

Belongs to the ribosomal protein L5P family.

SWISS:

P62913

Gene ID:

6135

Database links:

[Entrez Gene: 6135](#)Human

[Entrez Gene: 67025](#)Mouse

[Entrez Gene: 362631](#)Rat

[Oimim: 604175](#)Human

[SwissProt: P62913](#)Human

[SwissProt: Q9CXW4](#)Mouse

[SwissProt: P62914](#)Rat

[Unigene: 719951](#)Human

[Unigene: 276856](#)Mouse

[Unigene: 129770](#)Rat

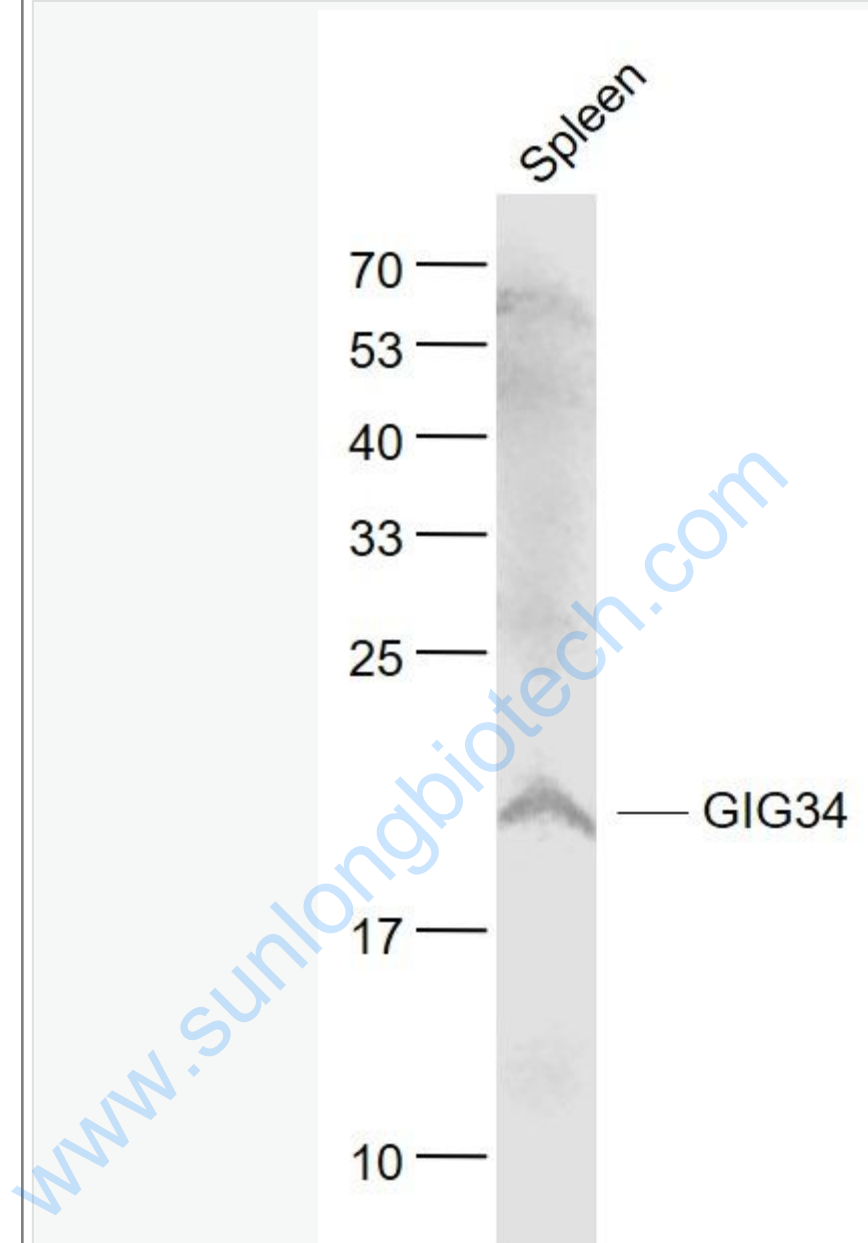
[Unigene: 14687](#)Rat

Important Note:

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

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Picture:



Sample:

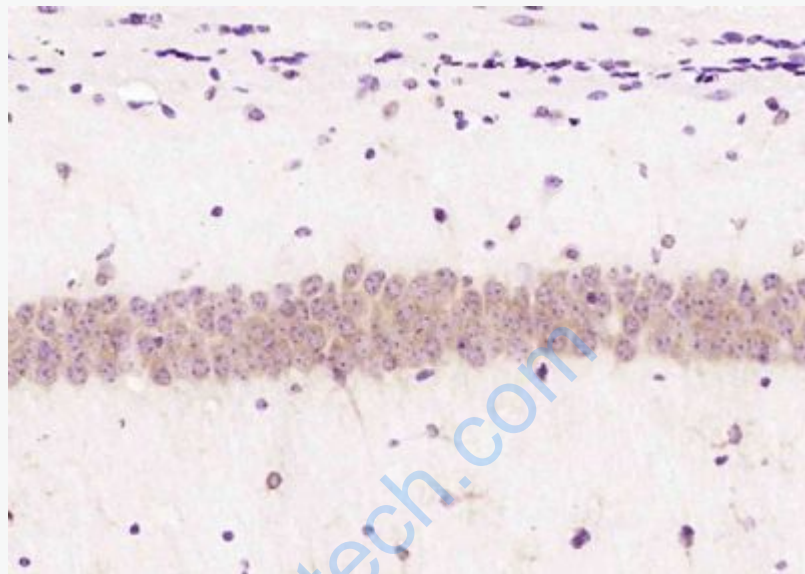
Spleen (Mouse) Lysate at 40 ug

Primary: Anti- GIG34 (SL5715R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 20 kD

Observed band size: 20 kD



Paraformaldehyde-fixed, paraffin embedded (rat 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 (GIG34) Polyclonal Antibody, Unconjugated (SL5715R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.