SunLong Biotech Co.,LTD
Tel: 0086-571- 56623320 Fax:0086-571- 56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

Rabbit Anti-Gcn1l1 antibody

SL13315R

Product Name:	Gcn1l1
Chinese Name:	广泛控制氨基酸合成1样蛋白1抗体
Alias:	GCN1; GCN1 (general control of amino acid synthesis yeast homolog) like; GCN1 (general control of amino acid synthesis 1 yeast) like 1; GCN1 general control of amino acid synthesis 1 like 1; GCN1 general control of amino acid synthesis 1 like 1 (yeast); GCN1 like protein 1; GCN1L; HsGCN1; GCN1L_HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Cow,Horse,
Applications:	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.
Molecular weight:	293kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human Gcn1l1:751-850/2671
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:	GCN1L1 is a 2,671 amino acid protein that is ubiquitously expressed and belongs to the GCN1 family. Functioning as a translation activator, GCN1L1 interacts with IMPACT to regulproteinate GCN2 kinase activity. GCN1L1 contains 24 HEAT repeats and is encoded by a gene that maps to human chromosome 12q24.23. Chromosome 12

encodes over 1,100 genes and comprises approximately 4.5% of the human genome. Chromosome 12 is associated with a variety of diseases and afflictions, including hypochondrogenesis, achondrogenesis, Kniest dysplasia, Noonan syndrome and trisomy 12p, which causes facial developmental defects and seizure disorders.

Function:
Gcn1l1 acts as a translation activator which mediates translational control and performs an EF3-related function on the ribosome by regulating GCN2 protein kinase (EIF2AK1-4) activity.

Subunit:
Interacts with IMPACT; prevents the interaction with GCN2 protein kinase (EIF2AK1-4) (By similarity).

Subcellular Location:
Cytoplasmic

Tissue Specificity:
Ubiquitously expressed.

Similarity:
Belongs to the GCN1 family.
Contains 24 HEAT repeats.

SWISS:
Q92616

Gene ID:
10985

Database links:

Entrez Gene: 10985Human

Entrez Gene: 231659Mouse

Entrez Gene: 690632Rat

Omim: 605614Human

SwissProt: Q92616Human

SwissProt: E9PVA8Mouse

SwissProt: Q8BIX2Mouse

Important Note:

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