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

Rabbit Anti-GATAD1 antibody

SL11921R

Product Name	GATAD1
Chinese Name	眼发育相关基因蛋白 ODAG 抗体
Alias	ODAG; GATA zinc finger domain containing 1; Ocular development associated gene; GATA zinc finger domain-containing protein 1; ocular development-associated gene protein; GATAD1 protein; ocular development associated; ODAG; RG083M05.2; tcag7.279; GATD1_HUMAN.
Research Area	Cell biology Neurobiology Signal transduction Growth factors and hormones Epigenetics
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	(predicted: Human, Mouse, Rat, Chicken, Dog, Pig, Cow, Horse, Rabbit, Zebrafish, Sheep,)
Applications	ELISA=1:5000-10000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Theoretical molecular weight	29kDa
Cellular localization	The nucleus
Form	Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human GATAD1/ODAG: 61-160/269
Lsotype	IgG
Purification	affinity purified by Protein A
Buffer Solution	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.
Storage	Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Attention	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

PubMed

PubMed

Product Detail

The protein encoded by this gene contains a zinc finger at the N-terminus, and is thought to bind to a histone modification site that regulates gene expression. Mutations in this gene have been associated with autosomal recessive dilated cardiomyopathy. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Jun 2012]

Function:
ODAG (Ocular development-associated gene), a novel transcription factor located on chromosome 7, encodes a protein that may play a role in eye development. mRNA profiling in multiple human tissue indicates that ODAG is expressed in human CD56+ NK cells and thyroid tissue.

Subunit:
Component of a chromatin complex, at least composed of KDM5A, GATAD1 and EMSY.

Subcellular Location:
Nuclear

Tissue Specificity:
Ubiquitously expressed among various tissue types. Expressed in left ventricular myocytes.

DISEASE:
Defects in GATAD1 are the cause of cardiomyopathy, dilated type 2B (CMD2B) [MIM:614672]. CMD2B is a disorder characterized by ventricular dilation and impaired systolic function, resulting in congestive heart failure and arrhythmia. Patients are at risk of premature death.

Similarity:
Contains 1 GATA-type zinc finger.

SWISS:
Q8WUU5

Gene ID:
57798

Database links:

Entrez Gene: 57798 Human

Entrez Gene: 67210 Mouse

SwissProt: Q8N5Y5 Human

SwissProt: Q8WUU5 Human

SwissProt: Q3TS14 Mouse

SwissProt: Q8VCQ2 Mouse

SwissProt: Q920S3 Mouse

SwissProt: Q9CSG2 Mouse

Unigene: 21145 Human