



Rabbit Anti-LMCD1 antibody

SL11874R

Product Name:	LMCD1
Chinese Name:	转录因子LMCD1抗体
Alias:	Dyxin; LIM and cysteine rich domains 1; LIM and cysteine rich domains protein 1; LIM and cysteine-rich domains protein 1; LMCD1_HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Dog,Pig,Cow,Horse,Rabbit,Sheep,
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:	41kDa
Cellular localization:	The nucleocytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human LMCD1:51-160/365
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:	Transcriptional cofactor that restricts GATA6 function by inhibiting DNA-binding, resulting in repression of GATA6 transcriptional activation of downstream target genes. Represses GATA6-mediated trans activation of lung- and cardiac tissue-specific promoters. Inhibits DNA-binding by GATA4 and GATA1 to the cTNC promoter (By similarity). Plays a critical role in the development of cardiac hypertrophy via activation of calcineurin/nuclear factor of activated T cells signaling pathway.

Function:

Transcriptional cofactor that restricts GATA6 function by inhibiting DNA-binding, resulting in repression of GATA6 transcriptional activation of downstream target genes. Represses GATA6-mediated trans activation of lung- and cardiac tissue-specific promoters. Inhibits DNA-binding by GATA4 and GATA1 to the cTNC promoter (By similarity). Plays a critical role in the development of cardiac hypertrophy via activation of calcineurin/nuclear factor of activated T-cells signaling pathway.

Subunit:

Interacts with GATA1 and GATA4 (By similarity). Interacts with beta-dystroglycan. Interacts with GATA6.

Subcellular Location:

Cytoplasm. Nucleus. May shuttle between the cytoplasm and the nucleus.

Tissue Specificity:

Expressed in the heart (at protein level). Expressed in many tissues with highest abundance in skeletal muscle.

Similarity:

Contains 2 LIM zinc-binding domains.
Contains 1 PET domain.

SWISS:

Q9NZU5

Gene ID:

29995

Database links:

[Entrez Gene: 29995](#)Human

[Omid: 604859](#)Human

[SwissProt: Q9NZU5](#)Human

[Unigene: 475353](#)Human

Important Note:

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