

For Research Use Only

COMMD5 Monoclonal antibody

Catalog Number: 67043-1-Ig **2 Publications**



Basic Information

Catalog Number: 67043-1-Ig	GenBank Accession Number: BC003055	Purification Method: Protein A purification
Size: 150ul , Concentration: 2200 ug/ml by Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 28991	CloneNo.: 1E10G6
Source: Mouse	UNIPROT ID: Q9GZQ3	Recommended Dilutions: WB 1:2000-1:6000
Isotype: IgG2a	Full Name: COMM domain containing 5	
Immunogen Catalog Number: AG18464	Calculated MW: 25 kDa	
	Observed MW: 15 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : human heart tissue, rat heart tissue, MCF-7 cells, HEK-293 cells
Cited Applications: WB	
Species Specificity: Human, Rat	
Cited Species: human	

Background Information

COMM domain containing 5 (COMMD5, synonyms: HCARG, HT002) is a hypertension-related calcium-regulated gene. COMMD5 is negatively regulated by extracellular calcium concentration, and its basal mRNA levels were higher in hypertensive animals. Tissue distribution of COMMD5 shows a preponderance in the heart, stomach, jejunum, kidney (tubular fraction), liver, and adrenal gland (mainly in the medulla). COMMD5 mRNA is significantly more expressed in adult than in fetal organs, and its levels are decreased in tumors and cancerous cell lines. COMMD5 protein has no transmembrane domain, but contains 67% -helix content, a calcium-binding site, four putative "leucine zipper" motifs, and a nuclear receptor-binding domain. At the subcellular level, COMMD5 shows a nuclear localization.

Notable Publications

Author	Pubmed ID	Journal	Application
Jianyun Liu	37543430	Aging (Albany NY)	WB
Michael D Healy	37172566	Cell	WB

Storage

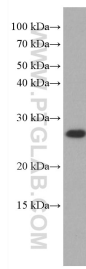
Storage:
Store at -20°C.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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Selected Validation Data



human heart tissue were subjected to SDS PAGE followed by western blot with 67043-1-Ig (COMMD5 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.