

For Research Use Only

COMMD5 Monoclonal antibody, PBS Only



Catalog Number: 67043-1-PBS

Basic Information

Catalog Number: 67043-1-PBS	GenBank Accession Number: BC003055	Purification Method: Protein A purification
Size: 1 mg/ml	GeneID (NCBI): 28991	CloneNo.: 1E10G6
Source: Mouse	UNIPROT ID: Q9GZQ3	
Isotype: IgG2a	Full Name: COMM domain containing 5	
Immunogen Catalog Number: AG18464	Calculated MW: 25 kDa	
	Observed MW: 15 kDa	

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
Human, Rat

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% α -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.

Storage

Storage:
Store at -80°C .
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS Only

For technical support and original validation data for this product please contact:

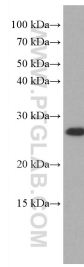
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Selected Validation Data



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. This data was developed using the same antibody clone with 67043-1-PBS in a different storage buffer formulation.