

## COMMD5 Polyclonal Antibody

Catalog number: 10393-1-AP

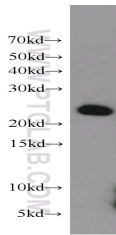
Size: 51 µg/150 µl

Source: Rabbit

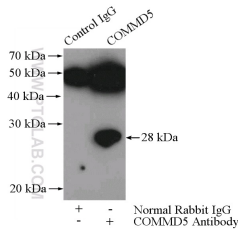
Isotype: IgG

Synonyms:

COMMD5; COMM domain containing 5, COMMD5, FLJ13008, HCARG, HT002



mouse kidney tissue were subjected to SDS PAGE followed by western blot with 10393-1-AP(COMMD5 antibody) at dilution of 1:1000



IP Result of anti-COMMD5 (IP:10393-1-AP, 4µg; Detection:10393-1-AP 1:500) with mouse heart tissue lysate 3200µg.

### Background

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%  $\alpha$ -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.

### Applications

Tested applications:	ELISA, WB, IP
Cited applications:	IHC
Species specificity:	Human, Mouse, Rat; other species not tested.
Cited species:	Human, mouse
Calculated COMMD5 MW:	25 kDa
Observed COMMD5 MW:	25-28 kDa
Positive WB detected in	Mouse kidney tissue, HEK-293 cells, human heart tissue, human stomach tissue, mouse heart tissue, mouse stomach tissue
Positive IP detected in	Mouse heart tissue
Recommended dilution:	WB: 1:500-1:5000 IP: 1:200-1:2000

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

### Immunogen information

Immunogen:	Ag0592
GenBank accession number:	BC003055
Gene ID (NCBI):	28991
Full name:	COMM domain containing 5

### Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.