

GCA rabbit monoclonal antibody

Catalog # H00025801-K

Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human GCA peptide using ARM Technology.
Immunogen	A synthetic peptide of human GCA is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human GCA peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) ₂ , IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

Gene Info — GCA

Entrez GeneID [25801](#)

GeneBank Accession# [GCA](#)

Gene Name GCA

Gene Alias GCL

Gene Description grancalcin, EF-hand calcium binding protein

Omim ID [607030](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene product, grancalcin, is a calcium-binding protein abundant in neutrophils and macrophages. It belongs to the penta-EF-hand subfamily of proteins which includes sorcin, calpain, and ALG-2. Grancalcin localization is dependent upon calcium and magnesium. In the absence of divalent cation, grancalcin localizes to the cytosolic fraction; with magnesium alone, it partitions with the granule fraction; and in the presence of magnesium and calcium, it associates with both the granule and membrane fractions, suggesting a role for grancalcin in granule-membrane fusion and degradation. [provided by RefSeq]

Other Designations grancalcin, EF-hand calcium-binding protein|grancalcin, penta-EF-hand protein

Disease

- [Genetic Predisposition to Disease](#)
- [Multiple Sclerosis](#)