

Rabbit anti-Human GCA Polyclonal Antibody | anti-GCA antibody

GCA Antibody (N-Term)

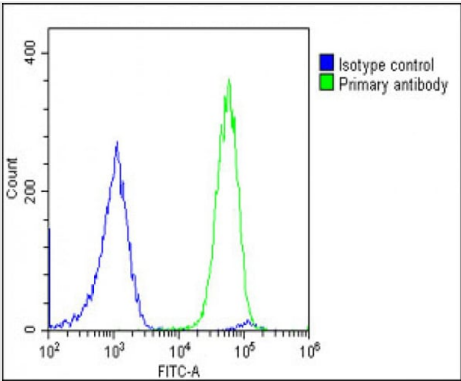
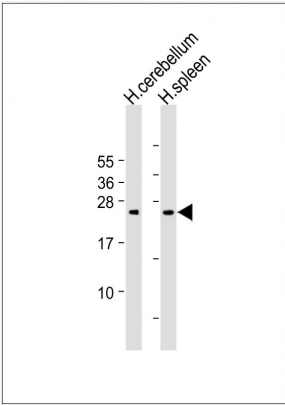
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA290904	Rabbit	Human	ELISA, Western Blot, Flow Cytometry, Functional Assay, Immunofluorescence

PRODUCT SYNONYMS

GCA; Polyclonal Antibody; GCA Antibody (N-Term); Purified Rabbit Polyclonal Antibody (Pab); Grancalcin; GCL; anti-GCA antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Ig
Specificity	This GCA antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 19-53 amino acids from the human region of human GCA.
Purity/Purification	Purified through a protein A column, followed by peptide affinity purification.
Form/Format	Supplied in PBS with 0.09% (W/V) sodium azide.
Sequence Length	217
Applicable Applications for anti-GCA antibody	ELISA, WB (Western Blot), FCM/FACS (Flow Cytometry), IF (Immunofluorescence)
Antigen Type	Synthesized Peptide
Antigen Source	Human
Tissue Location	Detected in neutrophils and macrophages (at protein level). Highly expressed in bone marrow
Cellular Location	Cytoplasm. Cytoplasmic granule membrane; Peripheral membrane protein; Cytoplasmic side. Note=Primarily cytosolic in the absence of calcium or magnesium ions. Relocates to granules and other membranes in response to elevated calcium and magnesium levels.
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



FCM/FACS (Flow Cytometry)
Overlay histogram showing U-2 OS cells stained with AP22336a(green line). The cells were fixed with 2% paraformaldehyde (10 min) and then permeabilized with 90% methanol for 10 min. The cells were then incubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed by the antibody (AP22336a, 1:25 dilution) for 60 min at 37 degree C. The secondary antibody used was Goat-Anti-Rabbit IgG, DyLight 488 Conjugated Highly Cross-Adsorbed(OE188374) at 1/200 dilution for 40 min at 37 degree C. Isotype control antibody (blue line) was rabbit IgG1 (1μg/1x10⁶ cells) used under the same conditions. Acquisition of >10, 000 events was performed.

ADDITIONAL INFORMATION

Related Product Information for anti-GCA antibody	Calcium-binding protein that may play a role in the adhesion of neutrophils to fibronectin. May play a role in the formation of focal adhesions.
Product Categories/Family for anti-GCA antibody	Primary Antibodies; Immunology; Signal Transduction
References	Boyhan A.,et al.J. Biol. Chem. 267:2928-2933(1992). Ota T.,et al.Nat. Genet. 36:40-45(2004). Totoki Y.,et al. Submitted (MAR-2005) to the EMBL/GenBank/DDBJ databases. Hillier L.W.,et al.Nature 434:724-731(2005). Mural R.J.,et al. Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.

NCBI AND UNIPROT INFORMATION

NCBI GI #	6912388
NCBI GeneID	25801
NCBI Accession #	NP_036330.1
NCBI GenBank Nucleotide #	NM_012198.4
UniProt Accession #	P28676; Q53TB5; Q59EP3; B2R5X3
Molecular Weight	24010
NCBI Official Full Name	grancalcin isoform b
NCBI Official Synonym Full Names	grancalcin
NCBI Official Symbol	GCA
NCBI Official Synonym Symbols	GCL
NCBI Protein Information	grancalcin
UniProt Protein Name	Grancalcin
UniProt Gene Name	GCA
UniProt Synonym Gene Names	GCL

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/gca-antibody-western-blot-flow-cytometry-immunofluorescence-elisa/290904>