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

GCA Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA280006	**Rabbit**	**Human**	**Immunofluorescence, Immunohistochemistry, Western Blot**

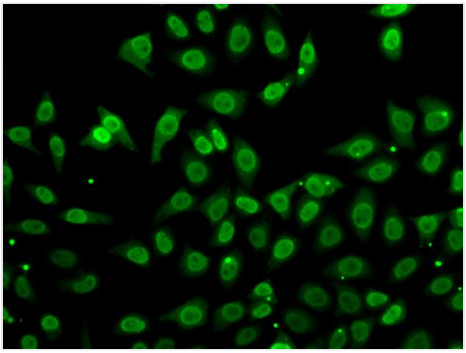
PRODUCT SYNONYMS

GCA; Polyclonal Antibody; GCA Polyclonal Antibody; GCL; anti-GCA antibody

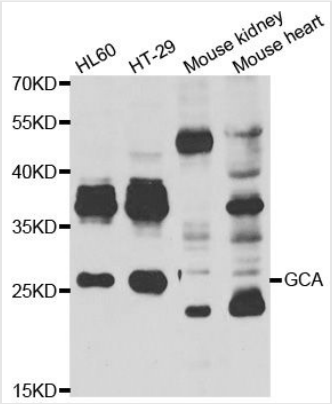
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Concentration	1mg/ml (varies by lot)
Sequence Length	217
Applicable Applications for anti-GCA antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Species	Human
Immunogen	Recombinant Protein
Immunogen	Recombinant protein of human GCA
Calculated Molecular Weight	24kDa
Preparation and Storage	Store at -20 degree C (regular) or -80 degree C (long term). Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

IMAGES



IF (Immunofluorescence)
Immunofluorescence analysis of A549 cells using GCA antibody.



WB (Western Blot)
Western blot analysis of extracts of various cell lines, using GCA antibody at 1:1000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution.Lysates/proteins: 25ug per lane.Blocking buffer: 3% nonfat dry milk in TBST.Detection: ECL Basic Kit.Exposure time: 30s.

ADDITIONAL INFORMATION

Related Product Information for anti-GCA antibody	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 degranulation.
Product Categories/Family for anti-GCA antibody	Polyclonal

NCBI AND UNIPROT INFORMATION

NCBI GI #	1170014
NCBI GeneID	25801
UniProt Accession #	P28676; Q53TB5; Q59EP3; B2R5X3
Molecular Weight	217
NCBI Official Full Name	Grancalcin
NCBI Official Synonym Full Names	grancalcin, EF-hand calcium binding protein
NCBI Official Symbol	GCA
NCBI Official Synonym Symbols	GCL
NCBI Protein Information	grancalcin; grancalcin, penta-EF-hand protein; grancalcin, EF-hand calcium-binding protein
UniProt Protein Name	Grancalcin
UniProt Gene Name	**GCA**
UniProt Synonym Gene Names	GCL
UniProt Entry Name	GRAN_HUMAN

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.