Rabbit Grancalcin Polyclonal Antibody | anti-GCA antibody

Grancalcin (GCA) Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA21015	**Rabbit**	**Human, Mouse, Rat**	**Western Blot, Immunocytochemistry, Immunohistochemistry, ELISA**

PRODUCT SYNONYMS

Grancalcin; Polyclonal Antibody; Grancalcin (GCA) Polyclonal Antibody; GCL; EF Hand Calcium Binding Protein; anti-GCA antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Specificity	The antibody is a rabbit polyclonal antibody raised against GCA. It has been selected for its ability to recognize GCA in immunohistochemical staining and western blotting.
Purity/Purification	Affinity Chromatography
Form/Format	Supplied as solution form in PBS, pH7.4 containing 0.02% NaN3, 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	217
Applicable Applications for anti-GCA antibody	WB (Western Blot), ICC (Immunocytochemistry), IHC (Immunohistochemistry), ELISA
Application Notes	Western Blot: 1:50-400 Immunohistochemistry in formalin fixed frozen section: 1:50-500 Enzyme-linked Immunosorbent Assay: 1:100-200
Immunoglobulin Type	IgG
Conjugate	No Conjugate
Cross Reactivity	Human, Rat
Organism Species	Human
Fragment	GCA (Met1~Val139)
Quality Control	Content: The quality control contains recombinant GCA (Met1~Val139) disposed in loading buffer. Usage: 10uL per well when 3,3'-Diaminobenzidine(DAB) as the substrate. 5uL per well when used in enhanced chemilumescent (ECL). Note: The quality control is specifically manufactured as the positive control.Not used for other purposes. Loading Buffer: 100mM Tris(pH8.8), 2% SDS, 200mM NaCl, 50% glycerol,BPB 0.01%, NaN3 0.02%.
Preparation and Storage	Store at 4 degree C for frequent use. Stored at -20 degree C to -80 degree C in a manual defrost freezer for one year without detectable loss of activity. Avoid repeated freeze-thaw cycles.

IMAGES

Knockout Validation
Knockout Validation: Lane 1: Wild-type HL60 cell lysate; Lane 2: GCA knockout HL60 cell lysate; Predicted MW: 24kd Observed MW: 27kd Primary Ab: 1ug/ml Rabbit Anti-Human GCA Antibody Second Ab: 0.2ug/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody (Human.

WB (Western Blot)
Western Blot: Sample: Lane1: Human Serum; Lane2: Human HL-60 Cells; Lane3: Mouse Sp2/0 Cells; Lane4: Rat Spleen Tissue.

ADDITIONAL INFORMATION

Product Categories/Family for anti-GCA antibody	Knock-Out Validation Antibody

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	24,010 Da
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/grancalcin-antibody-western-blot-immunocytochemistry-immunohistochemistry-elisa/21015