



Rabbit Anti-Human GRN Polyclonal Antibody (CABT-L2212)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

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| Product Overview | Polyclonal Antibody to Granulin (Knockout Validated) |
| Specificity | The antibody is a rabbit polyclonal antibody raised against GRN. It has been selected for its ability to recognize GRN in immunohistochemical staining and western blotting. |
| Target | GRN |
| Immunogen | Recombinant fragment corresponding to human GRN (Lys361~Arg585) |
| Isotype | IgG |
| Source/Host | Rabbit |
| Species Reactivity | Human |
| Purification | Antigen-specific affinity chromatography followed by Protein A affinity chromatography |
| Conjugate | Unconjugated |
| Applications | WB |
| Format | Liquid |
| Concentration | Lot specific |
| Size | 200 µg |
| Buffer | Supplied as solution form in 0.01M PBS with 50% glycerol, pH7.4. |
| Preservative | 0.05% Proclin-300 |

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| Storage | Avoid repeated freeze/thaw cycles. Store at 4°C for frequent use. Aliquot and store at -20°C for 12 months. |
| Ship | 4°C with ice bags |

BACKGROUND

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| Introduction | Granulins are a family of secreted, glycosylated peptides that are cleaved from a single precursor protein with 7.5 repeats of a highly conserved 12-cysteine granulin/epithelin motif. The 88 kDa precursor protein, progranulin, is also called proepithelin and PC cell-derived growth factor. Cleavage of the signal peptide produces mature granulin which can be further cleaved into a variety of active, 6 kDa peptides. These smaller cleavage products are named granulin A, granulin B, granulin C, etc. Epithelins 1 and 2 are synonymous with granulins A and B, respectively. Both the peptides and intact granulin protein regulate cell growth. However, different members of the granulin protein family may act as inhibitors, stimulators, or have dual actions on cell growth. Granulin family members are important in normal development, wound healing, and tumorigenesis. [provided by RefSeq, Jul 2008] |
| Keywords | GEP;GP88;PCDGF;PEPI;PGRN;Proepithelin;Acrogranin;Glycoprotein of 88 Kda;Paragranulin |

GENE INFORMATION

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| Gene Name | GRN granulin [Homo sapiens (human)] |
| Official Symbol | GRN |
| Synonyms | GRN; granulin; GEP; GP88; PEPI; PGRN; CLN11; PCDGF; granulins; acrogranin; progranulin; proepithelin; granulin-epithelin; PC cell-derived growth factor; |
| Entrez Gene ID | 2896 |
| Protein Refseq | NP_002078 |
| UniProt ID | P28799 |
| Chromosome Location | 17q21.32 |
| Pathway | Integrated Breast Cancer Pathway; |
| Function | cytokine activity; growth factor activity; poly(A) RNA binding; protein binding; |