

Rabbit GRN Polyclonal Antibody | anti-GRN antibody

GRN Antibody - middle region

CATALOG # AAA200392	HOST Rabbit	REACTIVITY Cow, Dog, Horse, Human, Rabbit	APPLICATIONS Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

GRN; Polyclonal Antibody; GRN Antibody - middle region; anti-GRN antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Cow, Dog, Horse, Human, Rabbit
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following sequence: CP MPNATCCSDH LHCCPQDTVC DLIQSKCLSK ENATDDLTK LPAHTVGD
Sequence Length	438
Applicable Applications for anti-GRN antibody	IHC (Immunohistochemistry), WB (Western Blot)
Homology	Cow: 92%; Dog: 92%; Horse: 92%; Human: 100%; Rabbit: 85%
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of Human GRN
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)

Host: Rabbit Target Name: GRN Sample Type: Thyroid Tumor lysates Antibody Dilution: 1.0ug/ml



IHC (Immunohistochemistry)

Rabbit Anti-GRN Antibody Formalin Fixed Paraffin Embedded Tissue: Human Liver Tissue Observed Staining: Cytoplasm in hepatocytes Primary Antibody Concentration: 1:100 Other Working Concentrations: N/A Secondary Antibody: Donkey anti-Rabbit-Cy3 Secondary Antibody Concentration: 1:200 Magnification: 20X Exposure Time: 0.5 - 2.0 sec

ADDITIONAL INFORMATION

Related Product Information for anti-GRN antibody	This is a rabbit polyclonal antibody against GRN. It was validated on Western Blot Target Description: 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.
Product Categories/Family for anti-GRN antibody	Polyclonal; Cancer; Growth Factors & Hormones; Developmental Biology; Disease Related

NCBI AND UNIPROT INFORMATION

NCBI GI #	183613
NCBI GeneID	2896
NCBI Accession #	NP_002078
NCBI GenBank Nucleotide #	NM_002087
UniProt Accession #	P28799
Molecular Weight	48kDa
NCBI Official Full Name	granulin
NCBI Official Synonym Full Names	granulin precursor
NCBI Official Symbol	GRN
NCBI Official Synonym Symbols	GEP; GP88; PEPI; PGRN; CLN11; PCDGF
NCBI Protein Information	progranulin; granulins
UniProt Protein Name	Granulins
UniProt Gene Name	GRN
UniProt Synonym Gene Names	PEPI
UniProt Entry Name	GRN_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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/grn-antibody-immunohistochemistry-western-blot-elisa/200392>