

GRN Polyclonal Antibody

Catalog No.	A12440	Category	Polyclonal Antibodies
Applications	WB, IHC	Observed MW	80kDa
Cross-reactivity	Human	Calculated MW	44kDa/46kDa/63kDa

Immunogen Information

Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 281-336 of human GRN (NP_002078.1).
Gene ID	2896
Swiss prot	P28799
Synonyms	GRN; CLN11; GEP; GP88; PCDGF; PEPI; PGRN; granulins

Product information

Source	Rabbit
Isotype	IgG
Purification method	Affinity purification
Storage	Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

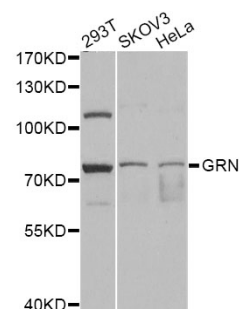
Background

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 granulin 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.

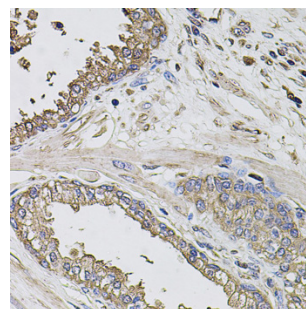
Recommended Dilutions

WB 1:500 -
1:2000

IHC 1:50 -
1:200



Western blot - GRN Polyclonal Antibody (A12440)



Immunohistochemistry - GRN Polyclonal Antibody (A12440)