

Product Name: Granulin (18Q13) Rabbit Monoclonal Antibody
Catalog #: AMRe11737



Summary

Production Name	Granulin (18Q13) Rabbit Monoclonal Antibody
Description	Rabbit Monoclonal Antibody
Host	Rabbit
Application	WB,IHC-P,IP,IF-P
Reactivity	Human

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles. Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% New type
Buffer	preservative N and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.
Purification	Affinity purification

Immunogen

Gene Name	GRN
Alternative Names	Acrogranin; CLN11; GEP; GP88; Granulins; GRN; PCDGF; PEPI; PGRN; Proepithelin; Progranulin;
Gene ID	2896.0
SwissProt ID	P28799.

Application

Dilution Ratio	WB 1:1000, IHC-P/IF-P 1:200-1:1000, IP 1:50-1:100
Molecular Weight	64kDa

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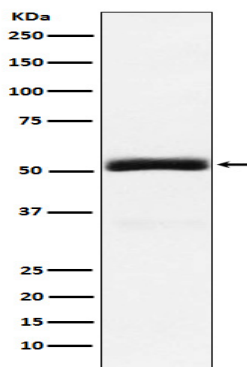


Background

Granulins have possible cytokine-like activity. They may play a role in inflammation, wound repair, and tissue remodeling. Secreted protein that acts as a key regulator of lysosomal function and as a growth factor involved in inflammation, wound healing and cell proliferation (PubMed: [28541286](http://www.uniprot.org/citations/28541286)), PubMed: [28073925](http://www.uniprot.org/citations/28073925)), PubMed: [18378771](http://www.uniprot.org/citations/18378771)), PubMed: [28453791](http://www.uniprot.org/citations/28453791)), PubMed: [12526812](http://www.uniprot.org/citations/12526812)). Regulates protein trafficking to lysosomes and, also the activity of lysosomal enzymes (PubMed: [28453791](http://www.uniprot.org/citations/28453791)), PubMed: [28541286](http://www.uniprot.org/citations/28541286)). Facilitates also the acidification of lysosomes, causing degradation of mature CTSD by CTSB (PubMed: [28073925](http://www.uniprot.org/citations/28073925)). In addition, functions as wound-related growth factor that acts directly on dermal fibroblasts and endothelial cells to promote division, migration and the formation of capillary-like tubule structures (By similarity). Also promotes epithelial cell proliferation by blocking TNF-mediated neutrophil activation preventing release of oxidants and proteases (PubMed: [12526812](http://www.uniprot.org/citations/12526812)). Moreover, modulates inflammation in neurons by preserving neurons survival, axonal outgrowth and neuronal integrity (PubMed: [18378771](http://www.uniprot.org/citations/18378771)).

Research Area

Image Data



Western blot analysis of Granulin expression in 293T cell lysate.

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Note

For research use only.