

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



## Summary

<b>Production Name</b>	Granulin (18Q13) Rabbit Monoclonal Antibody
<b>Description</b>	Rabbit Monoclonal Antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,ELISA
<b>Reactivity</b>	Human

## Performance

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

## Immunogen

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

## Application

<b>Dilution Ratio</b>	WB 1:500-1:2000
<b>Molecular Weight</b>	64kDa

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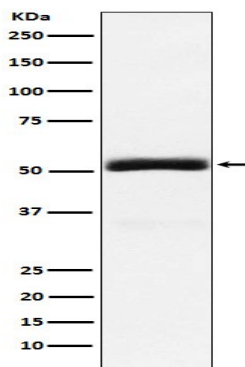


## Background

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.