Leader in Biomolecular Solutions for Life Science

ABclonal Technology
www.abclonal.com

Granulin Rabbit mAb

Catalog No.: A21910 **Recombinant**

Basic Information

Observed MW
Refer to figures

Calculated MW
64kDa

Category
SMab Recombinant Monoclonal Antibody

Applications
WB,ELISA

Cross-Reactivity
Human

CloneNo number
ARC1151

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 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.

Recommended Dilutions

WB   1:500 - 1:2000

Immunogen Information

Gene ID
2896

Swiss Prot
P28799

Immunogen
Recombinant fusion protein containing a sequence corresponding to amino acids 1-150 of human Granulin (P28799).

Synonyms
GEP; GP88; PEPI; PGRN; CLN11; PCDGF; Granulin

Contact

🌐 | www.abclonal.com

Product Information
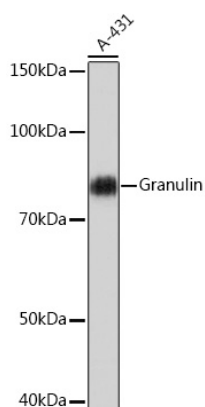
Source
Rabbit

Isotype
IgG

Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.02% sodium azide,0.05% BSA,50% glycerol,pH7.3.

Validation Data

Western blot analysis of lysates from A-431 cells, using Granulin Rabbit mAb (A21910) at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25μg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 3min.