

Datasheet for ABIN6141429
anti-Granulin antibody (AA 281-336)



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1 Image

Overview

Quantity:	100 µL
Target:	Granulin (GRN)
Binding Specificity:	AA 281-336
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Granulin antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 281-336 of human Granulin (NP_002078.1).
Sequence:	DVKCDMEVSC PDGYTCCRLQ SGAWGCCPFT QAVCCEDHIH CCPAGFTCDT QKGTCE
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	Granulin (GRN)
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Target Details

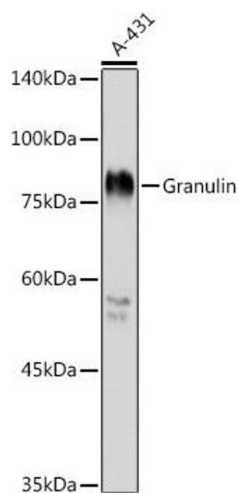
Alternative Name:	GRN (GRN Products)
Background:	Granulins are a family of secreted, glycosylated peptides that are cleaved from a single precursor protein with 7.5 repeats of a highly conserved 12-cysteine granulin/epithelin motif. The 88 kDa precursor protein, progranulin, is also called proepithelin 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.,GRN,CLN11,GEP,GP88,PCDGF,PEPI,PGRN,granulins,Epigenetics & Nuclear Signaling,RNA Binding,Cancer,Signal Transduction,Cell Biology & Developmental Biology,Growth factor,Immunology & Inflammation,Cytokines,Neuroscience,Neurodegenerative Diseases,GRN
Molecular Weight:	44 kDa/46 kDa/63 kDa
Gene ID:	2896
UniProt:	P28799

Application Details

Application Notes:	WB,1:500 - 1:2000,IF,1:50 - 1:200
Comment:	HIGH QUALITY
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



Western Blotting

Image 1. Western blot analysis of extracts of A-431 cells, using Granulin antibody (ABIN6131042, ABIN6141429, ABIN6141431 and ABIN6216066) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 180s.