

ARG45375 anti-Progranulin antibody [34U21]

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rat Monoclonal antibody [34U21] recognizes Progranulin
Tested Reactivity	Ms
Tested Application	WB
Host	Rat
Clonality	Monoclonal
Clone	34U21
Isotype	IgG2
Target Name	Progranulin
Species	Mouse
Immunogen	Recombinant Mouse Progranulin.
Conjugation	Un-conjugated
Alternate Names	PEPI; Glycoprotein 88; CLN11; GEP; Proepithelin; Granulin E; Granulin D; Granulins; PGRN; Glycoprotein of 88 Kda; Granulin G; Progranulin; PCDGF; Granulin B; Granulin C; Granulin A; GP88; Granulin F

Application Instructions

Application table	Application	Dilution
	WB	1:1000 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

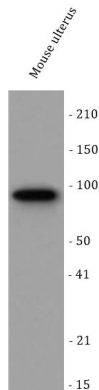
Properties

Form	Powder
Purification	Protein G chromatography
Buffer	PBS
Reconstitution	PBS
Concentration	0.2 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	GRN
Gene Full Name	granulin
Background	<p>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. [provided by RefSeq, Jul 2008]</p>
Function	<p>Granulins have possible cytokine-like activity. They may play a role in inflammation, wound repair, and tissue remodeling.</p> <p>Granulin-4 promotes proliferation of the epithelial cell line A431 in culture while granulin-3 acts as an antagonist to granulin-4, inhibiting the growth. [UniProt]</p>
Highlight	<p>Related products: Progranulin antibodies; Progranulin ELISA Kits; New ELISA data calculation tool: Simplify the ELISA analysis by GainData</p>
Calculated Mw	64 kDa
PTM	Granulins are disulfide bridged. [UniProt]

Images



ARG45375 anti-Progranulin antibody [34U21] WB image

Western blot: Mouse uterus stained with ARG45375 anti-Progranulin antibody [34U21].