

bs-0823R**[Primary Antibody]****BioSS**
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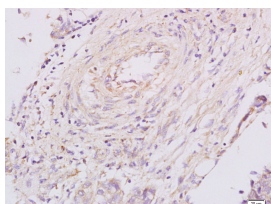
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Granulin Rabbit pAb**— DATASHEET —**

Host: Rabbit	Isotype: IgG	Applications: IHC-P (1:100-500)
Clonality: Polyclonal		IHC-F (1:100-500)
GeneID: 2896	SWISS: P28799	IF (1:100-500)
Target: Granulin		Reactivity: Human (predicted: Mouse, Rat, Rabbit, Pig, Cow, Dog, GuineaPig, Horse)
Immunogen: KLH conjugated synthetic peptide derived from human PGNR: 451-550/593.		Predicted MW.: 63 kDa
Purification: affinity purified by Protein A		Subcellular Location: Secreted
Concentration: 1mg/ml		
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		
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.		

— VALIDATION IMAGES —

Tissue/cell: Human esophageal carcinoma; 4%
Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Incubation: Anti-PGRN/Granulin Polyclonal Antibody, Unconjugated(bs-0823R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

— SELECTED CITATIONS —

- **[IF=7.02]** Thurner, Lorenz, et al. "The molecular basis for development of proinflammatory autoantibodies to progranulin." Journal of Autoimmunity (2015). WB ;Human. 26005049
- **[IF=4.238]** Dongxu Feng, et al. Progranulin modulates cartilage-specific gene expression via sirtuin 1-mediated

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

deacetylation of the transcription factors SOX9 and P65. J Biol Chem. 2020 Sep;295:13640 WB ;Human. 32747445