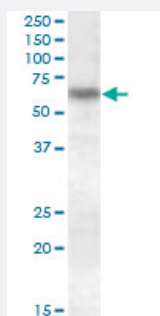


GRN polyclonal antibody

Catalog # PAB12812 Size 100 ug

Applications



Western Blot (Cell lysate)

GRN polyclonal antibody (Cat # PAB12812) (1 ug/mL) staining of HeLa lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Specification

Product Description	Goat polyclonal antibody raised against synthetic peptide of GRN.
Immunogen	A synthetic peptide corresponding to amino acids at internal region of human GRN.
Sequence	QSKCLSKENATTD
Host	Goat
Theoretical MW (kDa)	63.5
Reactivity	Human
Specificity	60 KDa band observed in lysates of A549 and HeLa (calculated MW of 63.5 KDa according to NP_002078.1).
Form	Liquid
Purification	Antigen affinity purification
Concentration	0.5 mg/mL

Recommend Usage	ELISA (1:8000) Western blot (1-3 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

GRN polyclonal antibody (Cat # PAB12812) (1 ug/mL) staining of HeLa lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

- Enzyme-linked Immunoabsorbent Assay

Gene Info — GRN

Entrez GeneID	2896
Protein Accession#	NP_002078.1
Gene Name	GRN
Gene Alias	GEP, GP88, PCDGF, PEPI, PGRN
Gene Description	granulin
Omim ID	138945 607485
Gene Ontology	Hyperlink

Gene Summary	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]
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Other Designations

PC cell-derived growth factor|acrogranin|granulin-epithelin|proepithelin|progranulin

Publication Reference

- [In vivo and postmortem clinicoanatomical correlations in frontotemporal dementia and parkinsonism linked to chromosome 17.](#)

Ghetti B, Spina S, Murrell JR, Huey ED, Pietrini P, Sweeney B, Wassermann EM, Keohane C, Farlow MR, Grafman J.

Neuro-Degenerative Diseases 2008 Mar; 5(3-4):215.

Disease

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