

For Research Use Only

Biotin-conjugated Progranulin/PGRN Polyclonal antibody



Catalog Number: Biotin-18410

Basic Information

Catalog Number: Biotin-18410	GenBank Accession Number: BC000324	Purification Method: Antigen affinity purification
Size: 1000 µg/ml	GeneID (NCBI): 2896	Recommended Dilutions: IHC 1:50-1:500
Source: Rabbit	UNIPROT ID: P28799	
Isotype: IgG	Full Name: granulin	
Immunogen Catalog Number: AG13178	Calculated MW: 64 kDa	

Applications

Tested Applications:
IHC

Species Specificity:
human, mouse, rat

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

IHC : human kidney tissue,

Background Information

GRN, also known as PGRN or PCDGF, is a cysteine-rich protein of 68.5 kDa that is typically secreted into a highly glycosylated 88 kDa form. PGRN is a unique growth factor that plays an important role in cutaneous wound healing. It has an anti-inflammatory effect and promotes cell proliferation. When PCDGF is degraded to several 6-25 kDa fragments, called granulins (GRNs) by neutrophil proteases, a pro-inflammatory reaction occurs. PGRN is widely expressed, particularly in epithelial cells, immune cells, neurons, and chondrocytes. High levels of PGRN expression have been reported in human cancers, and its expression is closely correlated with the development and metastasis of several cancers. The recent discovery that mutations in the gene encoding for pro-granulin (GRN) cause frontotemporal lobar degeneration (FTLD), and other neurodegenerative diseases leading to dementia, has brought renewed interest in progranulin and its functions in the central nervous system. This antibody is conjugated with Biotin.

Storage

Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.03% Proclin300, pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

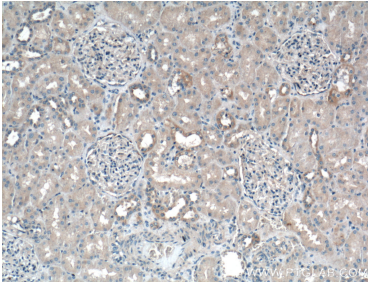
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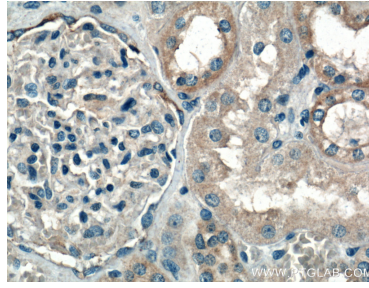
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Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using Biotin-18410(Granulin antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using Biotin-18410(Granulin antibody) at dilution of 1:200 (under 40x lens).