For Research Use Only

RREB1-Specific Polyclonal antibody

Catalog Number:20280-1-AP Featured Product 3 Publications

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Basic Information

Catalog Number:
20280-1-AP

Source:
Rabbit

Isotype:
IgG

GenBank Accession Number:
NM_001003698

GeneID (NCBI):
6239

UNIPROT ID:
Q92766

Full Name:
ras responsive element binding protein 1

Calculated MW:
181 kDa

Observed MW:
160-181 kDa, 250 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB: 1:500-1:1000
IHC: 1:50-1:500

Applications

Tested Applications:
WB, IHC, ELISA

Cited Applications:
WB, IHC, ChIP

Species Specificity:
human

Cited Species:
human

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:

WB : BxPC-3 cells, SH-SY5Y cells, HeLa cells

IHC : human stomach tissue, human breast cancer tissue

Background Information

RREB1, also named as FINB and Zep-1, belongs to the krueppel C2H2-type zinc-finger protein family. RREB1 is a transcription factor that binds specifically to the RAS-responsive elements (RRE) of gene promoters. It may be involved in Ras/Raf-mediated cell differentiation by enhancing calcitonin expression. RREB1 represses the angiotensinogen gene. RREB1 can induce expression of p53 and represse p16 which associated with the expression of tumour. It has been reported that the RREB1 can be a candidate gene for type 2 diabetes associated end-stage kidney disease. To some extent, the decrease of zinc in human pancreatic adenocarcinoma is associated with the downregulation of RREB1. RREB1 has some isoforms with 250 kDa, 180-200 kDa and 140-160 kDa protein. (PMID: 21703425, 15067362, 25050557, 25027322)

Notable Publications

Author	Pubmed ID	Journal	Application
Qi Gao	34666611	Cell Cycle	WB,IHC
Liang Liang Shi	41736673	Adv Sci (Weinh)	ChIP
Yanguan Guo	38043062	Cell Rep	WB,ChIP

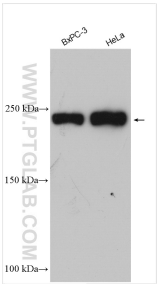
Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

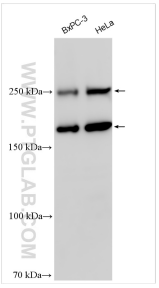
For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

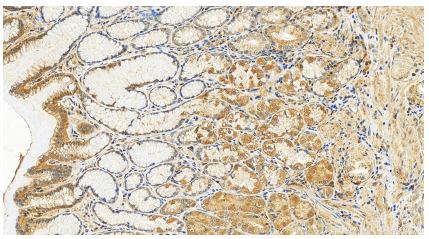
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 20280-1-AP (RREB1-Specific antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 20280-1-AP (RREB1-Specific antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human stomach tissue slide using 20280-1-AP (RREB1-Specific antibody) at dilution of 1:100 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).