

For Research Use Only

# RREB1 Polyclonal antibody

Catalog Number: 27706-1-AP



## Basic Information

Catalog Number:

27706-1-AP

Size:

600 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG26780

GenBank Accession Number:

NM\_001003698

GeneID (NCBI):

6239

Full Name:

ras responsive element binding protein 1

Calculated MW:

181 kDa

Observed MW:

250 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:2000-1:12000

IHC 1:600-1:2400

## Applications

Tested Applications:

WB, IHC, ELISA

Species Specificity:

human

Positive Controls:

WB : Jurkat cells, LNCaP cells

IHC : human colon cancer tissue, human ovary cancer tissue

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

## 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. RREB1 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 represses 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)

## Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

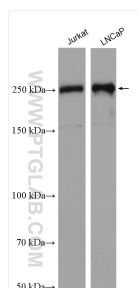
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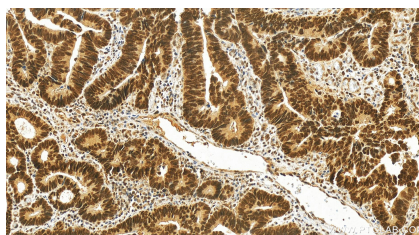
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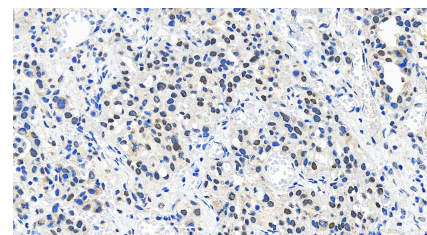
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 27706-1-AP (RREB1 antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 27706-1-AP (RREB1 antibody) at dilution of 1:1200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human ovary cancer tissue slide using 27706-1-AP (RREB1 antibody) at dilution of 1:1500 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).