

For Research Use Only

# GRAMD4 Polyclonal antibody

Catalog Number: 24299-1-AP

Featured Product

1 Publications



## Basic Information

**Catalog Number:**

24299-1-AP

**Size:**

900 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG19140

**GenBank Accession Number:**

BC129837

**GeneID (NCBI):**

23151

**UNIPROT ID:**

Q6IC98

**Full Name:**

GRAM domain containing 4

**Calculated MW:**

578 aa, 66 kDa

**Observed MW:**

56, 60 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:500-1:1000

## Applications

**Tested Applications:**

WB, ELISA

**Cited Applications:**

WB, IP, IF, IHC

**Species Specificity:**

human

**Cited Species:**

human

**Positive Controls:**

WB : PC-3 cells, Jurkat cells

## Background Information

GRAMD4 also termed as Death inducing protein is a 578 amino-acid protein, which contains 1 GRAM domain. GRAMD4 as a multi-pass membrane protein localizes in the Mitochondrion membrane. Overexpression of GRAMD4 results in a strong apoptotic response involving caspase-3 activation and cleavage of poly(ADP-ribose)-polymerase. GRAMD4 is expressed in lung and in primary lung squamous cell carcinoma (LSCC) and shows up-regulation in mitochondria by E2F-1 after addition of 4-hydroxytamoxifen. This evidence suggests that GRAMD4 may be a potential target for cancer therapies. Full-length GRAMD4 expresses a protein of 66 kDa, whereas the 255 bp-deletion mutant expresses a protein of 56 kDa (PMID: 21127500).

## Notable Publications

Author	Pubmed ID	Journal	Application
Qian Yun Ge	34841685	Clin Transl Med	WB,IHC,IF,IP

## 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:

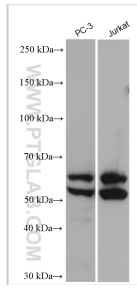
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://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 24299-1-AP (GRAMD4 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.