

For Research Use Only

GRAMD4 Polyclonal antibody

Catalog Number: 24299-1-AP

Featured Product

1 Publications



Basic Information

Catalog Number: 24299-1-AP	GenBank Accession Number: BC129837	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 900 µg/ml by Nanodrop;	GeneID (NCBI): 23151	Recommended Dilutions: WB 1:500-1:1000
Source: Rabbit	Full Name: GRAM domain containing 4	
Isotype: IgG	Calculated MW: 578 aa, 66 kDa	
Immunogen Catalog Number: AG19140	Observed MW: 56, 60 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB: PC-3 cells, Jurkat cells
Cited Applications: IF, IHC, IP, WB	
Species Specificity: human	
Cited Species: human	

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

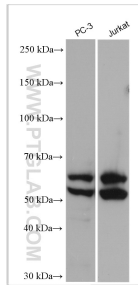
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.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.