

For Research Use Only

RASGRP3 Polyclonal antibody

Catalog Number: 13162-1-AP

Featured Product

6 Publications



Basic Information

Catalog Number: 13162-1-AP	GenBank Accession Number: BC027849	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 400 µg/ml by Nanodrop;	GeneID (NCBI): 25780	Recommended Dilutions: WB 1:1000-1:6000 IP 0.5-4.0 µg for IP and 1:500-1:1000 for WB
Source: Rabbit	Full Name: RAS guanyl releasing protein 3 (calcium and DAG-regulated)	
Isotype: IgG	Calculated MW: 690 aa, 78 kDa	
Immunogen Catalog Number: AG3810	Observed MW: 70 kDa	

Applications

Tested Applications: IP, WB, ELISA	Positive Controls: WB : RAW 264.7 cells, PC-3 cells, Raji cells, Ramos cells IP : RAW 264.7 cells,
Cited Applications: FC, IHC, WB	
Species Specificity: human, mouse	
Cited Species: human	

Background Information

AS guanyl releasing protein 3 (RasGRP3) is a member of the RasGRP family and is able to promote guanine nucleotide exchange of Ha-Ras, R-Ras and Rap1 (PMID: 9582122). RasGRP3 is involved in a diverse range of important biological processes. RasGRP3 has emerged as an important mediator of signaling downstream from receptor coupled phosphoinositide turnover in B and T cells. Overexpression of RasGRP3 is commonly associated with many malignancies, such as pre-Bcell leukemia, Burkitt's lymphoma and natural killer-like T-cell leukemia. Recently, it has been reported that upregulation of RASGRP3 expression in prostate cancer correlates with aggressive capabilities and predicts biochemical recurrence after radical prostatectomy (PMID: 24418912).

Notable Publications

Author	Pubmed ID	Journal	Application
Jianlu Song	30323976	Am J Cancer Res	WB,IHC
X Zeng	24418912	Prostate Cancer Prostatic Dis	WB,IHC
Wangwang Qiu	28864115	Gene	WB,IHC

Storage

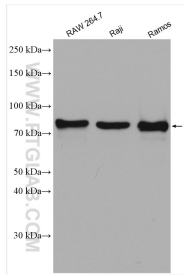
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

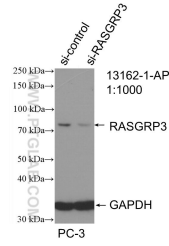
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

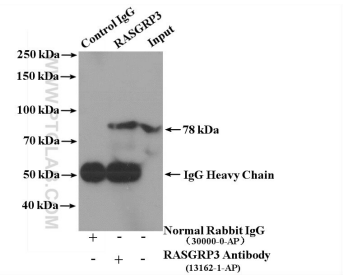
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 13162-1-AP (RASGRP3 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



WB result of RASGRP3 antibody (13162-1-AP; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-RASGRP3 transfected PC-3 cells.



IP result of anti-RASGRP3 (IP:13162-1-AP, 4ug; Detection:13162-1-AP 1:500) with RAW 264.7 cells lysate 3200 ug.