

For Research Use Only

PA2G4 Polyclonal antibody

Catalog Number: 15348-1-AP

Featured Product

4 Publications



Basic Information

Catalog Number:
15348-1-AP

Size:
150ul, Concentration: 240 µg/ml by Nanodrop and 133 µg/ml by Bradford method using BSA as the standard;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG7587

GenBank Accession Number:
BC001951

GeneID (NCBI):
5036

Full Name:
proliferation-associated 2G4, 38kDa

Calculated MW:
44 kDa

Observed MW:
42 kDa, 48 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:1000-1:6000
IP 0.5-4.0 ug for IP and 1:500-1:2000 for WB
IHC 1:50-1:500
IF 1:10-1:100

Applications

Tested Applications:
FC, IF, IHC, IP, WB, ELISA

Cited Applications:
IF, IHC, IP, RIP, WB

Species Specificity:
human, mouse, rat

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: HEK-293T cells, HEK-293 cells, rat spleen tissue, HL-60 cells, HeLa cells, Jurkat cells, MCF-7 cells, PC-3 cells

IP: Jurkat cells,

IHC: human breast cancer tissue,

IF: MCF-7 cells,

Background Information

PA2G4 (EBP1), first identified as an ErbB3 binding protein, is a 38 kDa protein that is widely expressed in cultured cells and tissues. The presence of several functional domains such as a nuclear localization sequence (NLS), LxxLL and LxCxE suggests the involvement of Ebp1 in cell signaling pathways and gene transcription regulation. This antibody is a rabbit polyclonal antibody raised against full length PA2G4 of human origin.

Notable Publications

Author	Pubmed ID	Journal	Application
Roseanne Rosario	36250920	FASEB J	WB,IHC
Sheng Sun	35526051	Cell Biosci	WB,IHC,IF,RIP
Manuel Günnigmann	37230585	Methods Enzymol	

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

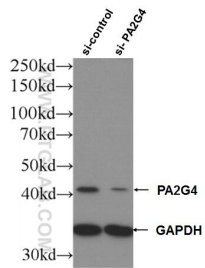
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

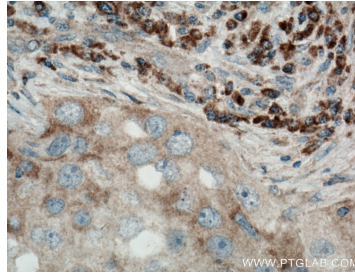
E: proteintech@ptglab.com
W: ptglab.com

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

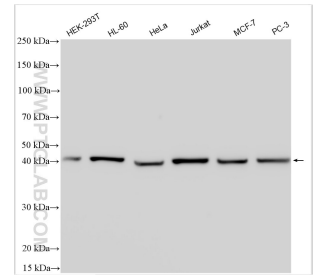
Selected Validation Data



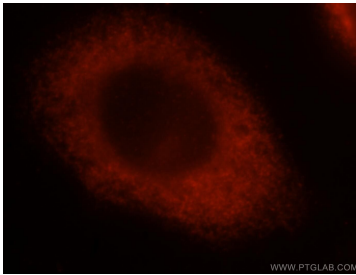
WB result of PA2G4 antibody (15348-1-AP; 1:20000; incubated at room temperature for 1.5 hours) with sh-Control and sh-PA2G4 transfected HEK-293 cells.



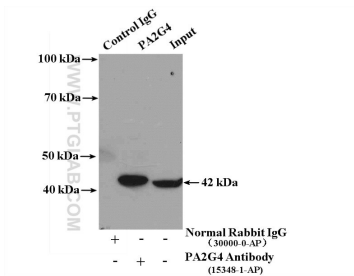
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 15348-1-AP (PA2G4 antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



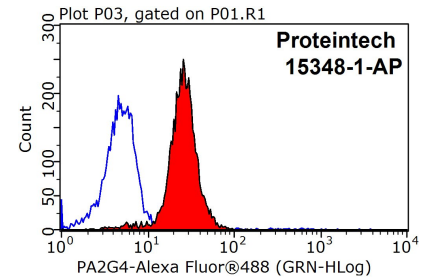
Various lysates were subjected to SDS PAGE followed by western blot with 15348-1-AP (PA2G4 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of MCF-7 cells, using PA2G4 antibody 15348-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).



IP Result of anti-PA2G4 (IP:15348-1-AP, 4ug; Detection:15348-1-AP 1:1000) with Jurkat cells lysate 3000ug.



1×10^6 MCF-7 cells were stained with 0.2ug PA2G4 antibody (15348-1-AP, red) and control antibody (blue). Fixed with 90% MeOH blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1500.