

For Research Use Only

PA2G4 Monoclonal antibody

Catalog Number: 66055-1-Ig

Featured Product

1 Publications



Basic Information

Catalog Number: 66055-1-Ig	GenBank Accession Number: BC001951	Purification Method: Protein A purification
Size: 150ul , Concentration: 2100 µg/ml by Nanodrop and 1040 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 5036	CloneNo.: 3G10D9
Source: Mouse	Full Name: proliferation-associated 2G4, 38kDa	Recommended Dilutions: WB 1:20000-1:100000 IHC 1:50-1:500 IF 1:200-1:800
Isotype: IgG2a	Calculated MW: 44 kDa	
Immunogen Catalog Number: AG7850	Observed MW: 38-42 kDa, 48 kDa	

Applications

Tested Applications:

IF, IHC, WB, ELISA

Cited Applications:

WB

Species Specificity:

human, rat, mouse

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 : PC-3 cells, HEK-293 cells, LNCaP cells, HeLa cells, Jurkat cells, K-562 cells, HSC-T6 cells, PC-12 cells, NIH/3T3 cells

IHC : human breast cancer tissue,

IF : HeLa 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 mouse mono-clonal antibody raised against full length PA2G4 of human origin.

Notable Publications

Author	Pubmed ID	Journal	Application
Kaosheng Lv	33711283	Cell Stem Cell	WB

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

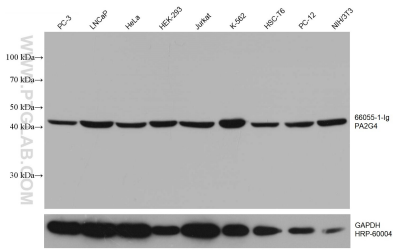
For technical support and original validation data for this product please contact:

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

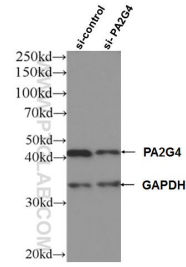
E: proteintech@ptglab.com
W: ptglab.com

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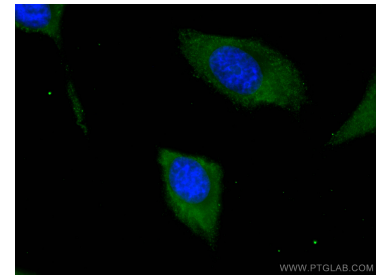
Selected Validation Data



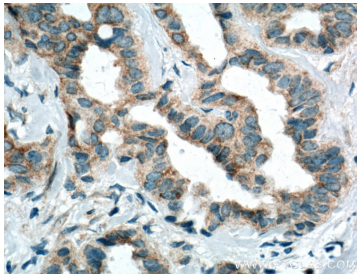
Various lysates were subjected to SDS PAGE followed by western blot with 66055-1-Ig (PA2G4 antibody) at dilution of 1:100000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control.



WB result of PA2G4 antibody (66055-1-Ig; 1:100000; incubated at room temperature for 1.5 hours) with sh-Control and sh-PA2G4 transfected HEK-293 cells.



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using PA2G4 antibody (66055-1-Ig, Clone: 3G10D9) at dilution of 1:400 and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 66055-1-Ig (PA2G4 Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).