

For Research Use Only

PEBP1 Monoclonal antibody

Catalog Number: 66438-1-Ig **1 Publications**



Basic Information

Catalog Number: 66438-1-Ig	GenBank Accession Number: BC008714	Purification Method: Protein G purification
Size: 150ul , Concentration: 1200 µg/ml by Nanodrop and 1000 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 5037	CloneNo.: 2D4D11
Source: Mouse	UNIPROT ID: P30086	Recommended Dilutions: WB 1:1000-1:6000 IHC 1:50-1:500
Isotype: IgG1	Full Name: phosphatidylethanolamine binding protein 1	
Immunogen Catalog Number: AG0864	Calculated MW: 21 kDa	
	Observed MW: 23-27 kDa	

Applications

Tested Applications:
WB, IHC, FC (Intra), ELISA

Cited Applications:
WB, IHC

Species Specificity:
human, mouse, rat

Cited Species:
mouse

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 : fetal human brain tissue, Neuro-2a cells, PC-12 cells, rat brain tissue

IHC : human prostate cancer tissue,

Background Information

Raf kinase inhibitor protein (RKIP), also termed phosphatidylethanolamine binding protein PEBP1, was initially identified as a potent inhibitor of Raf-1/MEK/ERK, NF-κB, and G-protein-coupled receptor signaling pathways. Later RKIP has been further identified as a metastasis suppressor and its loss of expression has been reported in various cancers. Its expression has been proposed as a prognostic marker for patients diagnosed with the above cancers.

Notable Publications

Author	Pubmed ID	Journal	Application
Ling Kan Chi	38882385	Heliyon	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**

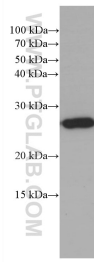
For technical support and original validation data for this product please contact:

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

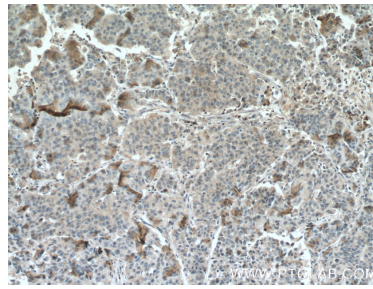
E: proteintech@ptglab.com
W: ptglab.com

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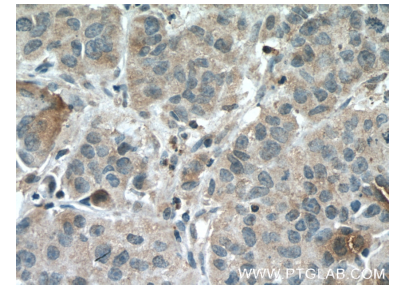
Selected Validation Data



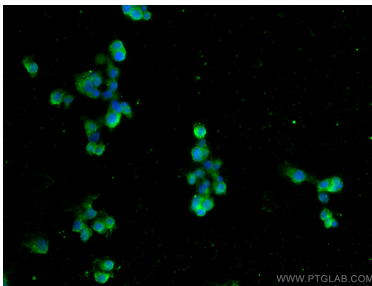
fetal human brain tissue were subjected to SDS PAGE followed by western blot with 66438-1-Ig (PEBP1 Antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



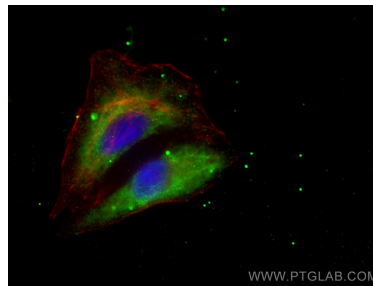
Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 66438-1-Ig (PEBP1 Antibody) at dilution of 1:500 (under 10x lens), proteolytic pre-treatment mediated antigen retrieved with Tris-EDTA buffer (pH9).



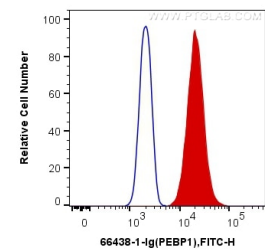
Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 66438-1-Ig (PEBP1 Antibody) at dilution of 1:500 (under 40x lens), proteolytic pre-treatment mediated antigen retrieved with Tris-EDTA buffer (pH9).



Immunofluorescent analysis of (4% PFA) fixed PC-12 cells using PEBP1 antibody (66438-1-Ig, Clone: 2D4D11) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L).



Immunofluorescent analysis of (-20°C Ethanol) fixed A549 cells using PEBP1 antibody (66438-1-Ig, Clone: 2D4D11) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L), CL594-Phalloidin (red).



1X10⁶ PC-12 cells were intracellularly stained with 0.4 ug Anti-Human PEBP1 (66438-1-Ig, Clone:2D4D11) and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).