

For Research Use Only

PTGER4 Monoclonal antibody

Catalog Number: 66921-1-Ig 2 Publications



Basic Information

Catalog Number:	GenBank Accession Number:	Purification Method:
66921-1-Ig	BC101534	Protein A purification
Size:	GeneID (NCBI):	CloneNo.:
150ul, Concentration: 1200 µg/ml by Nanodrop and 1000 µg/ml by Bradford method using BSA as the standard;	5734	4A2A12
Source:	Full Name:	Recommended Dilutions:
Mouse	prostaglandin E receptor 4 (subtype EP4)	WB 1:5000-1:50000 IHC 1:500-1:2000 IF 1:200-1:800
Isotype:	Calculated MW:	
IgG2b	488 aa, 53 kDa	
Immunogen Catalog Number:	Observed MW:	
AG19262	53 kDa	

Applications

Tested Applications:	Positive Controls:
FC, IF, IHC, WB, ELISA	WB : pig brain tissue, rat brain tissue, mouse brain tissue, Jurkat cells, K-562 cells
Cited Applications:	IHC : human prostate hyperplasia tissue, mouse brain tissue
WB	IF : mouse brain tissue,
Species Specificity:	
Human, Mouse, Rat, Pig	
Cited Species:	
human, mouse	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

Notable Publications

Author	Pubmed ID	Journal	Application
Yang Liu	35764614	Signal Transduct Target Ther	WB
Yinghui Chen	37804474	J Mol Med (Berl)	WB

Storage

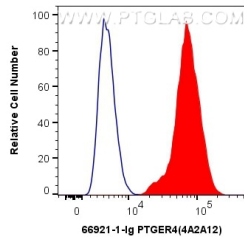
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

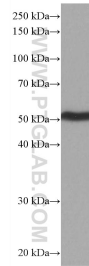
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

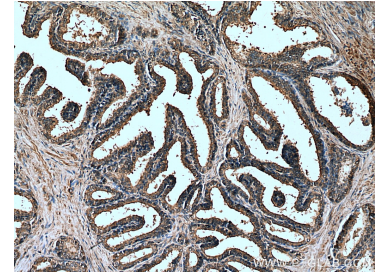
Selected Validation Data



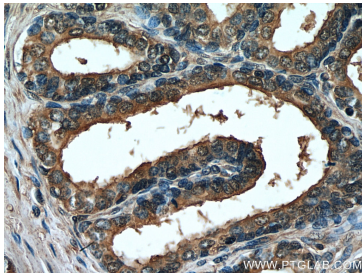
1X10⁶ HepG2 cells were intracellularly stained with 0.4 ug Anti-Human PTGER4 (66921-1-Ig, Clone:4A2A12) and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Mouse IgG2b Isotype Control (MPC-11) (65128-1-Ig, Clone: MPC-11) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



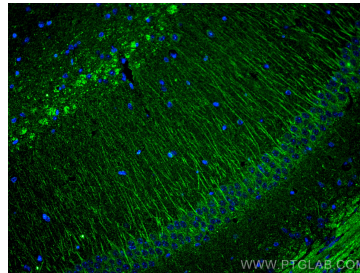
pig brain tissue were subjected to SDS PAGE followed by western blot with 66921-1-Ig (PTGER4 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



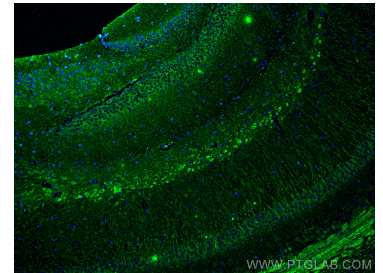
Immunohistochemical analysis of paraffin-embedded human prostate hyperplasia tissue slide using 66921-1-Ig (PTGER4 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human prostate hyperplasia tissue slide using 66921-1-Ig (PTGER4 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using PTGER4 antibody (66921-1-Ig, Clone: 4A2A12) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using PTGER4 antibody (66921-1-Ig, Clone: 4A2A12) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).