

For Research Use Only

PTGER4 Monoclonal antibody

Catalog Number: 66921-1-Ig **2 Publications**



Basic Information

| | | |
|---------------------------------------------|---------------------------------------------------------------|------------------------------------------------------------------------------------------|
| Catalog Number: 66921-1-Ig | GenBank Accession Number: BC101534 | Purification Method: Protein A purification |
| Size: 1200 µg/ml | GeneID (NCBI): 5734 | CloneNo.: 4A2A12 |
| Source: Mouse | UNIPROT ID: P35408 | Recommended Dilutions: WB 1:5000-1:50000 IHC 1:500-1:2000 IF 1:200-1:800 |
| Isotype: IgG2b | Full Name: prostaglandin E receptor 4 (subtype EP4) | |
| Immunogen Catalog Number: AG19262 | Calculated MW: 488 aa, 53 kDa | |
| | Observed MW: 53 kDa | |

Applications

Tested Applications:
FC, IF-P, IHC, WB, ELISA

Cited Applications:
WB

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

Positive Controls:

WB: pig brain tissue, rat brain tissue, mouse brain tissue, Jurkat cells, K-562 cells

IHC: human prostate hyperplasia tissue, mouse brain tissue

IF: mouse brain tissue,

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

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

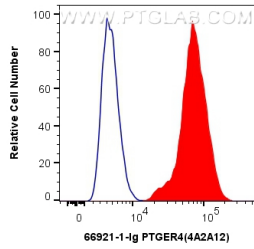
T: 4006900926

E: Proteintech-CN@ptglab.com

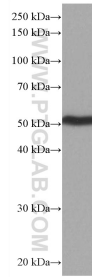
W: ptgcn.com

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

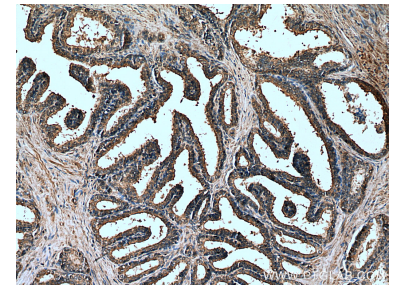
Selected Validation Data



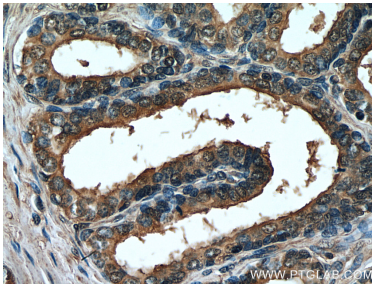
1X10⁶ HepG2 cells were intracellularly stained with 0.4 ug Anti-Human PTGER4 (66921-1-Ig, Clone:4A2A12) and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Mouse IgG2b Isotype Control (MPC-11) (65128-1-Ig, Clone: MPC-11) (blue). Cells were fixed with 4%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



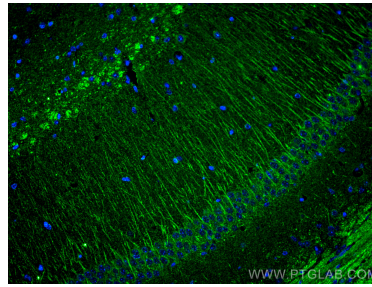
pig brain tissue were subjected to SDS PAGE followed by western blot with 66921-1-Ig (PTGER4 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



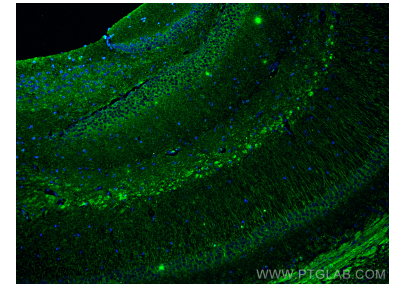
Immunohistochemical analysis of paraffin-embedded human prostate hyperplasia tissue slide using 66921-1-Ig (PTGER4 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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).