

For Research Use Only

PTGER3 Polyclonal antibody

Catalog Number: 24761-1-AP

2 Publications



Basic Information

Catalog Number:

24761-1-AP

Size:

150ul, Concentration: 700 ug/ml by Nanodrop and 353 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG21542

GenBank Accession Number:

BC024229

GeneID (NCBI):

5733

UNIPROT ID:

P43115

Full Name:

prostaglandin E receptor 3 (subtype EP3)

Calculated MW:

43 kDa

Observed MW:

40-48 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB: 1:500-1:1000

IHC: 1:20-1:200

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse

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 : mouse brain tissue, mouse cerebellum tissue

IHC : human brain tissue,

Background Information

PTGER3 (Prostaglandin E Receptor 3), also known as EP3, is a G protein-coupled receptor (GPCR). Activates pathways involved in proliferation, migration, and apoptosis, often via cross-talk with PI3K-AKT and MAPK cascades (PMID: 38566528). High PTGER3 levels drive tumorigenesis, angiogenesis, and cisplatin resistance via the Ras-MAPK/Erk-ETS1-ELK1/CFTR1 axis (PMID: 30655206).

Notable Publications

Author	Pubmed ID	Journal	Application
Ling Xiao	39255799	Cell Metab	WB
Qiliang Xin	37714160	Dev 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, pH7.3

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

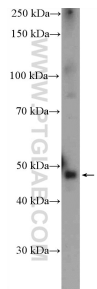
For technical support and original validation data for this product please contact:

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

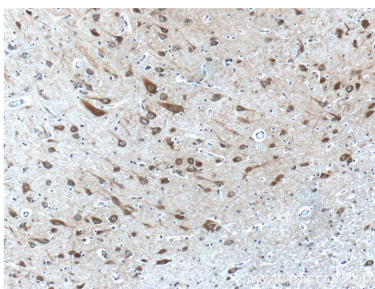
E: proteintech@ptglab.com
W: ptglab.com

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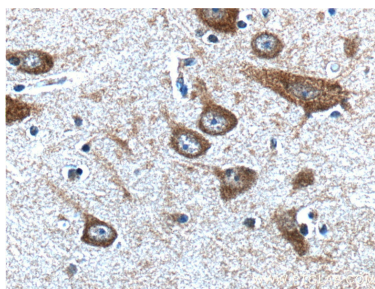
Selected Validation Data



mouse brain tissue were subjected to SDS PAGE followed by western blot with 24761-1-AP (PTGER3 Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human brain tissue slide using 24761-1-AP (PTGER3 Antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human brain tissue slide using 24761-1-AP (PTGER3 Antibody) at dilution of 1:200 (under 40x lens).