

For Research Use Only

14-3-3 Epsilon Polyclonal antibody

Catalog Number: 11648-2-AP

Featured Product

19 Publications



Basic Information

Catalog Number:

11648-2-AP

Size:

150ul, Concentration: 300 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG2247

GenBank Accession Number:

BC000179

GeneID (NCBI):

7531

UNIPROT ID:

P62258

Full Name:

tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, epsilon polypeptide

Calculated MW:

255 aa, 29 kDa

Observed MW:

29-32 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:5000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:300-1:1200

IF/ICC 1:10-1:100

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

Cited Applications:

WB, IF, IP

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, canine

Positive Controls:

WB: A375 cells, HeLa cells

IP: A375 cells,

IHC: human colon tissue, human gliomas tissue, human lung cancer tissue, mouse brain tissue

IF/ICC: HepG2 cells,

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

14-3-3 Epsilon (also known as YWHA E) is a member of 14-3-3 proteins which were the first phosphoserine/phosphothreonine-binding proteins to be discovered. 14-3-3 family members interact with a wide spectrum of proteins and possess diverse functions. Mammals express seven distinct 14-3-3 isoforms (gamma, epsilon, beta, zeta, sigma, theta, tau) that form multiple homo- and hetero- dimmers. 14-3-3 proteins display the highest expression levels in the brain, and have been implicated in several neurodegenerative diseases, including Alzheimer's disease and amyotrophic lateral sclerosis. This antibody was raised against full-length 14-3-3 Epsilon.

Notable Publications

Author	Pubmed ID	Journal	Application
Nerea Ugidos	31620119	Front Immunol	WB, IF
Kun Lu	29285195	Oncol Lett	WB, IF
Chihiro Tohda	34054554	Front Pharmacol	IP, 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

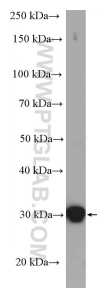
For technical support and original validation data for this product please contact:

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

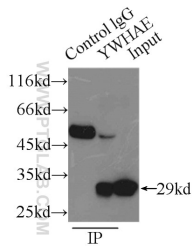
E: proteintech@ptglab.com
W: ptglab.com

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

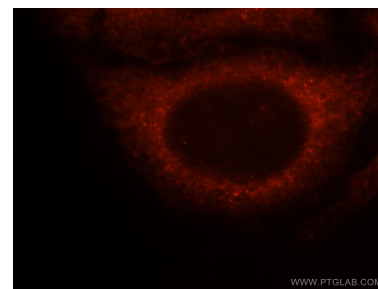
Selected Validation Data



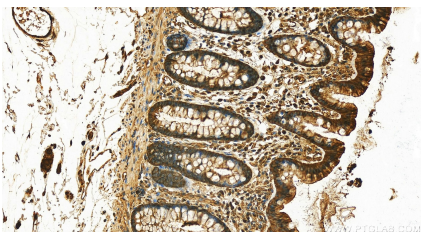
A375 cells were subjected to SDS PAGE followed by western blot with 11648-2-AP (14-3-3 epsilon antibody at dilution of 1:3000 incubated at room temperature for 1.5 hours.



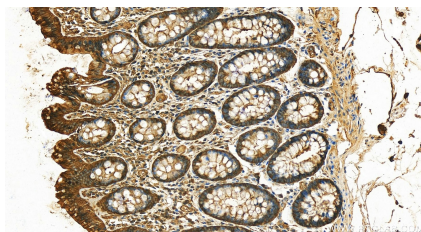
IP result of anti-14-3-3 Epsilon (IP:11648-2-AP, 3ug; Detection:11648-2-AP 1:1000) with A375 cells lysate 6000ug.



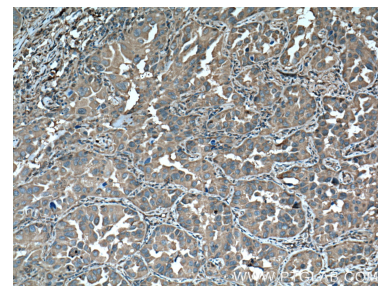
Immunofluorescent analysis of HepG2 cells, using YWHA antibody 11648-2-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).



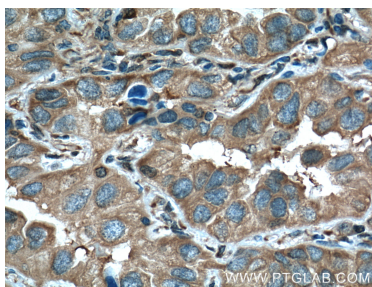
Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 11648-2-AP (14-3-3 Epsilon antibody) at dilution of 1:600 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 11648-2-AP (14-3-3 epsilon antibody at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 11648-2-AP (14-3-3 epsilon antibody at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).