

For Research Use Only

YWHAZ Monoclonal antibody

Catalog Number: 67698-1-Ig



Basic Information

Catalog Number:

67698-1-Ig

Size:

150ul, Concentration: 700 ug/ml by Nanodrop and 500 ug/ml by Bradford method using BSA as the standard;

Source:

Mouse

Isotype:

IgM

Immunogen Catalog Number:

AG6667

GenBank Accession Number:

BC003623

GeneID (NCBI):

7534

UNIPROT ID:

P63104

Full Name:

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

Calculated MW:

28 kDa

Observed MW:

28-30 kDa

Purification Method:

Caprylic acid/ammonium sulfate precipitation

CloneNo.:

3G12B10

Recommended Dilutions:

WB 1:5000-1:50000

IHC 1:200-1:800

IF/ICC 1:400-1:1600

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Species Specificity:

Human, mouse, rat

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: A549 cells, HeLa cells, HEK-293 cells, Jurkat cells, K-562 cells, HSC-T6 cells, PC-12 cells, NIH3T3 cells, RAW 264.7 cells

IHC: human lung cancer tissue, human liver cancer tissue

IF/ICC: MCF-7 cells,

Background Information

YWHAZ (also known as 14-3-3 zeta) 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- dimers. 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.

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

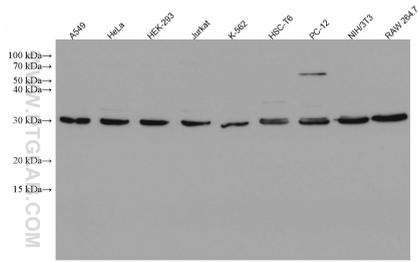
For technical support and original validation data for this product please contact:

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

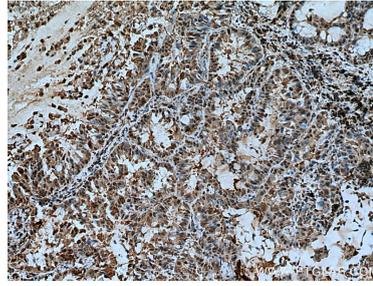
E: proteintech@ptglab.com
W: ptglab.com

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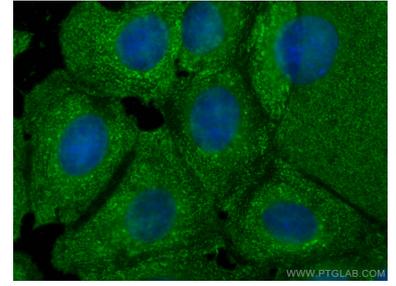
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67698-1-Ig (YWHAZ antibody) at dilution of 1:50000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 67698-1-Ig (YWHAZ antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Methanol) fixed MCF-7 cells using YWHAZ antibody (67698-1-Ig, Clone: 3G12B10) at dilution of 1:800 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L).