

For Research Use Only

CoraLite® Plus 488-conjugated YWHAZ Monoclonal antibody

Catalog Number: CL488-67698



Basic Information

Catalog Number:

CL488-67698

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:

IF/ICC: 1:50-1:500

FC (Intra): 0.40 ug per 10⁶ cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

IF/ICC, FC (Intra)

Species Specificity:

human, mouse, rat

Positive Controls:

IF/ICC : MCF-7 cells,

FC (Intra) : 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. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 50% glycerol, 0.05% Proclin300, 0.5% BSA, pH7.3

Aliquoting is unnecessary for -20°C storage

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

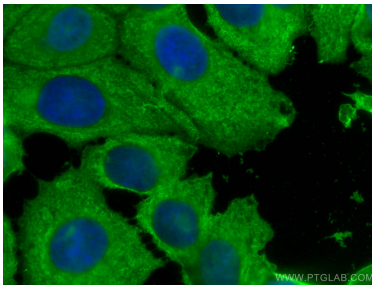
T: 4006900926

E: Proteintech-CN@ptglab.com

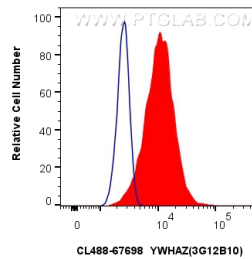
W: ptgcn.com

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Selected Validation Data



Immunofluorescent analysis of (-20°C Methanol) fixed MCF-7 cells using CoraLite® Plus 488 YWHAZ antibody (CL488-67698, Clone: 3G12B10) at dilution of 1:200.



1x10⁶ MCF-7 cells were intracellularly stained with 0.4 ug CoraLite® Plus 488-conjugated YWHAZ Monoclonal antibody (CL488-67698, Clone:3G12B10)(red), or 0.4 ug Isotype Control (CL488-66360-1) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer.