

For Research Use Only

CoraLite®555-conjugated RBAP48 Monoclonal antibody



Catalog Number:CL555-66060

Basic Information

Catalog Number:

CL555-66060

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG2b

Immunogen Catalog Number:

AG6196

GenBank Accession Number:

BC053904

GeneID (NCBI):

5928

UNIPROT ID:

Q09028

Full Name:

retinoblastoma binding protein 4

Calculated MW:

48 kDa

Observed MW:

53 kDa

Purification Method:

Protein A purification

CloneNo.:

5C4D6

Recommended Dilutions:

IF 1:50-1:500

Excitation/Emission maxima
wavelengths:

557 nm / 570nm

Applications

Tested Applications:

FC (Intra), IF/ICC

Species Specificity:

human, mouse, rat

Positive Controls:

IF : HepG2 cells,

Background Information

Histone-binding protein RBBP4 (also known as RbAp48, or NURF55) is a protein that in humans is encoded by the RBBP4 gene. This gene encodes a ubiquitously expressed nuclear protein that belongs to a highly conserved subfamily of WD-repeat proteins. It is present in protein complexes involved in histone acetylation and chromatin assembly. It is part of the Mi-2/NuRD complex complex that has been implicated in chromatin remodeling and transcriptional repression associated with histone deacetylation. This encoded protein is also part of corepressor complexes, which is an integral component of transcriptional silencing. It is found among several cellular proteins that bind directly to retinoblastoma protein to regulate cell proliferation. A decrease of RbAp48 in the dentate gyrus (DG) of the hippocampus in the brain is suspected to be a main cause of memory loss in normal aging (PMID: 23986399).

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, pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

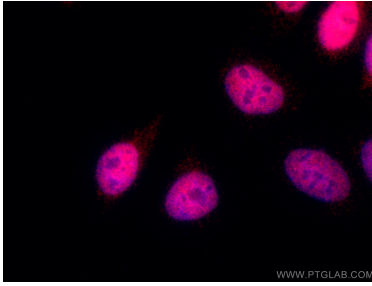
T: 4006900926

E: Proteintech-CN@ptglab.com

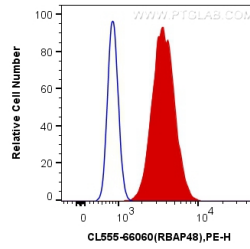
W: ptgcn.com

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Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using CoraLite@555 RBAP48 antibody (CL555-66060, Clone: 5C4D6) at dilution of 1:200.



1X10⁶ A549 cells were intracellularly stained with 0.4 ug CoraLite@555 Anti-Human RBAP48 (CL555-66060, Clone:5C4D6) (red), or 0.4 ug Control Antibody. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).