

For Research Use Only

CoraLite®594-conjugated RBAP48 Monoclonal antibody



Catalog Number:CL594-66060

Basic Information

Catalog Number: CL594-66060	GenBank Accession Number: BC053904	Purification Method: Protein A purification
Size: 1000 µg/ml	GeneID (NCBI): 5928	CloneNo.: 5C4D6
Source: Mouse	UNIPROT ID: Q09028	Recommended Dilutions: IF 1:50-1:500
Isotype: IgG2b	Full Name: retinoblastoma binding protein 4	Excitation/Emission maxima wavelengths: 588 nm / 604 nm
Immunogen Catalog Number: AG6196	Calculated MW: 48 kDa	

Applications

Tested Applications: FC (Intra), IF/ICC	Positive Controls: IF : A549 cells,
Species Specificity: human	

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:

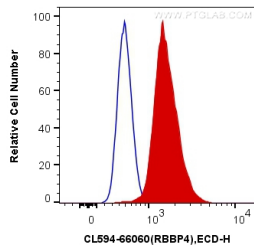
T: 4006900926

E: Proteintech-CN@ptglab.com

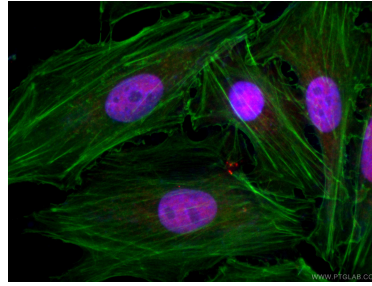
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Selected Validation Data



1X10⁶ HepG2 cells were intracellularly stained with 0.2 ug CoraLite®594 Anti-Human RBAP48 (CL594-66060, Clone:5C4D6) (red), or 0.2 ug Mouse IgG2b Isotype Control (CL594-66360-3, Clone: K11B8C4B5) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).



Immunofluorescent analysis of (4% PFA) fixed A549 cells using CoraLite®594-conjugated RBAP48 antibody (CL594-66060, Clone: 5C4D6) at dilution of 1:200, CL488-Phalloidin (green).