

RbAP48 Rabbit mAb

Catalog No: #49740

Package Size: #49740-1 50ul #49740-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

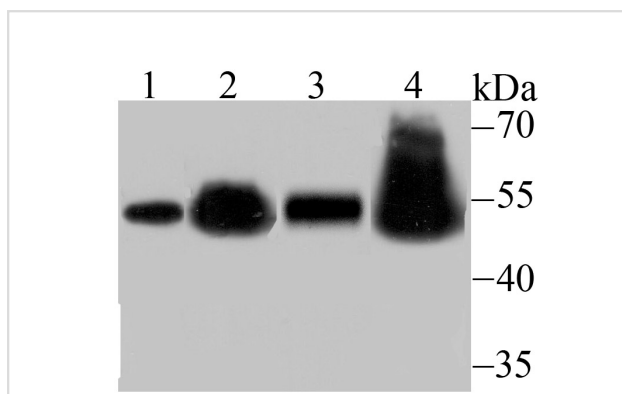
Description

Product Name	RbAP48 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	JU37-47
Purification	ProA affinity purified
Applications	WB,ICC,IHC,FC,IP
Species Reactivity	Hu, Ms, Rt
Immunogen Description	Recombinant protein
Other Names	CAF I p48 antibody CAF-1 subunit C antibody CAF-I 48 kDa subunit antibody CAF-I p48 antibody Chromatin assembly factor 1 subunit C antibody Chromatin assembly factor I p48 subunit antibody Chromatin assembly factor/CAF 1 p48 subunit antibody Histone-binding protein RBBP4 antibody MS11 protein homolog antibody Nucleosome-remodeling factor subunit RBAP48 antibody NURF55 antibody RB binding protein 4 chromatin remodeling factor antibody RbAp 48 antibody RBAP48 antibody RBBP-4 antibody RBBP4 antibody RBBP4_HUMAN antibody Retinoblastoma binding protein 4 antibody Retinoblastoma binding protein p48 antibody Retinoblastoma-binding protein 4 antibody Retinoblastoma-binding protein p48 antibody
Accession No.	Swiss-Prot#:Q09028
Uniprot	Q09028
GeneID	5928;
Calculated MW	48 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

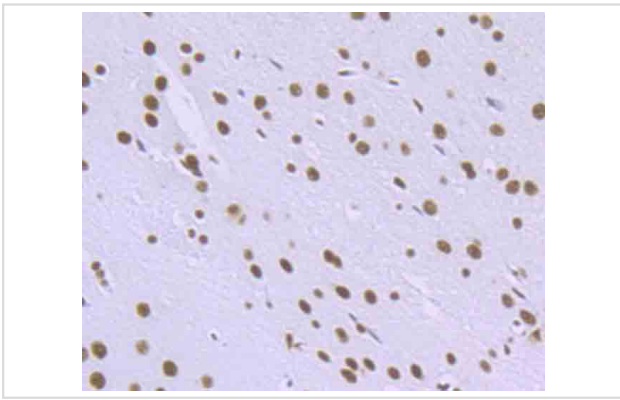
Application Details

WB: 1:500-1:2,000 IHC: 1:50-1:200 ICC: 1:50-1:200IP:1:10-1:50FC: 1:50-1:100

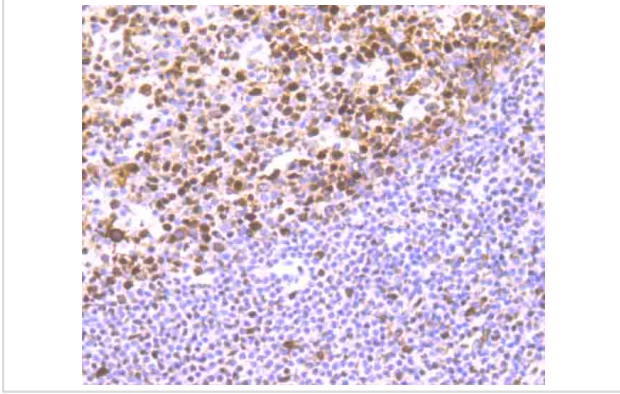
Images



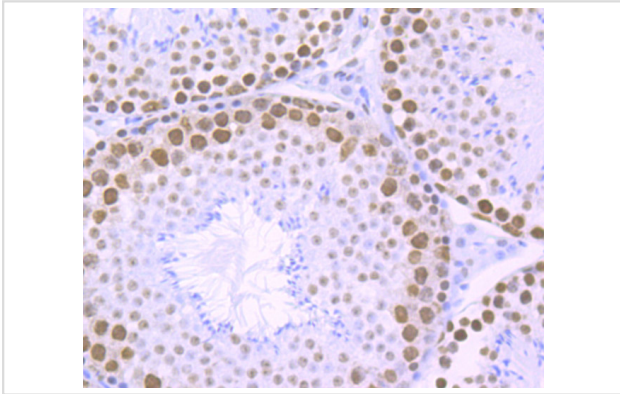
Western blot analysis of RbAP48 on different lysates using anti-RbAP48 antibody at 1/500 dilution. Positive control: Lane 1: NIH-3T3 Lane 2: Hela Lane 3: Rat brain Lane 4: Mouse testis



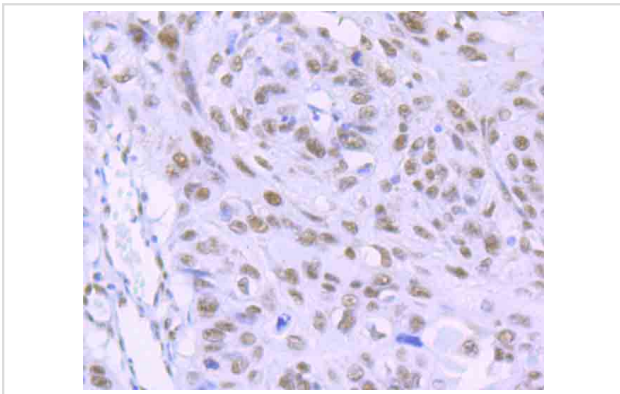
Immunohistochemical analysis of paraffin-embedded rat brain tissue using anti-RbAP48 antibody. Counter stained with hematoxylin.



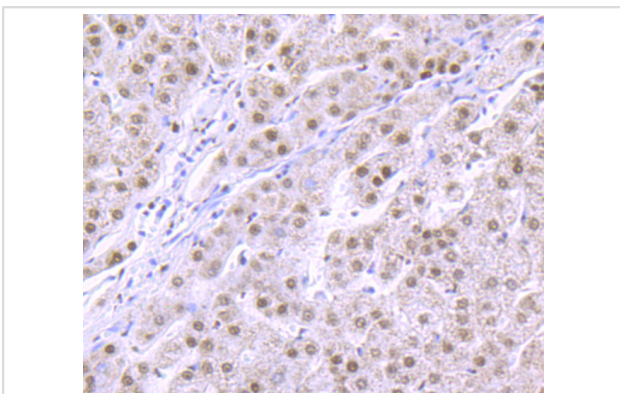
Immunohistochemical analysis of paraffin-embedded human tonsil tissue using anti-RbAP48 antibody. Counter stained with hematoxylin.



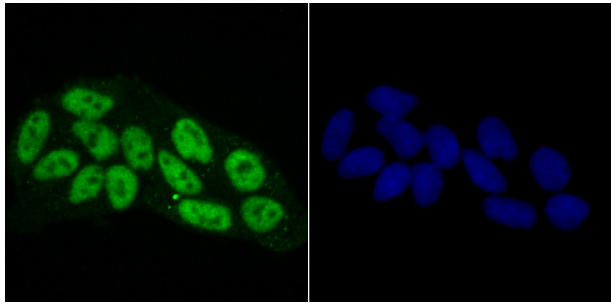
Immunohistochemical analysis of paraffin-embedded mouse testis tissue using anti-RbAP48 antibody. Counter stained with hematoxylin.



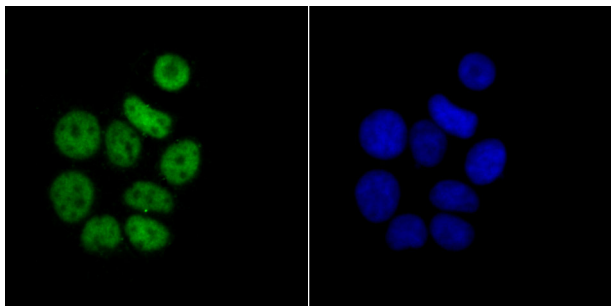
Immunohistochemical analysis of paraffin-embedded human lung cancer tissue using anti-RbAP48 antibody. Counter stained with hematoxylin.



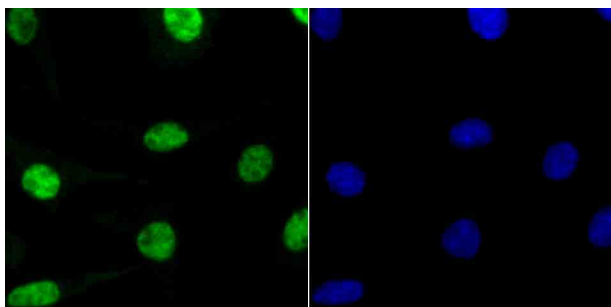
Immunohistochemical analysis of paraffin-embedded human liver tissue using anti-RbAP48 antibody. Counter stained with hematoxylin.



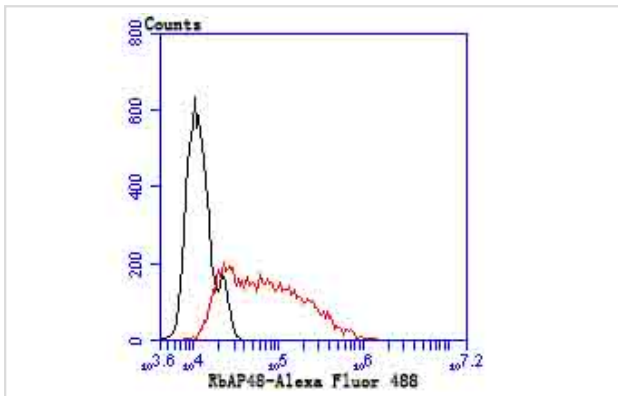
ICC staining RbAP48 in HeLa cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining RbAP48 in MCF-7 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining RbAP48 in SH-SY5Y cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



Flow cytometric analysis of HeLa cells with RbAP48 antibody at 1/50 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody.

Background

In the intact cell, DNA is closely associated with histones and other nuclear proteins to form chromatin. The remodeling of chromatin is believed to be a critical component of transcriptional regulation, and a major source of this remodeling is brought about by the acetylation of nucleosomal histones. Acetylation of lysine residues in the amino-terminal tail domain of histone results in an allosteric change in the nucleosomal conformation, and an increased accessibility of DNA to transcription factors. Mammalian HDAC1 (also designated HD1), HDAC2 (also designated RPD3) and HDAC3, all of which are related to the yeast transcriptional regulator Rpd3p, have been identified as histone deacetylases. The retinoblastoma binding proteins RbAp46 and RbAp48 have been identified as histone binding proteins, and they are components of the histone deacetylase complex.

References

Note: This product is for in vitro research use only