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RBBP4 / RBAP48 Antibody (clone 2D7)

Mouse Monoclonal Antibody
Catalog # ALS14147

Specification

RBBP4 / RBAP48 Antibody (clone 2D7) - Product Information

Application	**WB, IF, IHC**
Primary Accession	Q09028
Reactivity	**Human**
Host	**Mouse**
Clonality	**Monoclonal**
Calculated MW	**48kDa KDa**

RBBP4 / RBAP48 Antibody (clone 2D7) - Additional Information

Gene ID 5928

Other Names
Histone-binding protein RBBP4, Chromatin assembly factor 1 subunit C, CAF-1 subunit C, Chromatin assembly factor I p48 subunit, CAF-I 48 kDa subunit, CAF-I p48, Nucleosome-remodeling factor subunit RBAP48, Retinoblastoma-binding protein 4, RBBP-4, Retinoblastoma-binding protein p48, RBBP4, RBAP48

Target/Specificity
Human RbAp48

Reconstitution & Storage
Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles.

Precautions
RBBP4 / RBAP48 Antibody (clone 2D7) is for research use only and not for use in diagnostic or therapeutic procedures.

RBBP4 / RBAP48 Antibody (clone 2D7) - Protein Information

Name RBBP4

Synonyms RBAP48

Function
Core histone-binding subunit that may target chromatin assembly factors, chromatin remodeling factors and histone deacetylases to their histone substrates in a manner that is regulated by nucleosomal DNA. Component of several complexes which regulate chromatin metabolism. These include the chromatin assembly factor 1 (CAF-1) complex, which is required for chromatin assembly following DNA replication and DNA repair; the core histone deacetylase (HDAC) complex, which promotes histone deacetylation and consequent transcriptional repression; the nucleosome remodeling and histone deacetylase complex (the NuRD complex), which promotes transcriptional repression by histone deacetylation and nucleosome remodeling; the PRC2 complex, which

promotes repression of homeotic genes during development; and the NURF (nucleosome remodeling factor) complex.

Cellular Location
Nucleus. Chromosome, telomere. Note=Localizes to chromatin as part of the PRC2 complex.

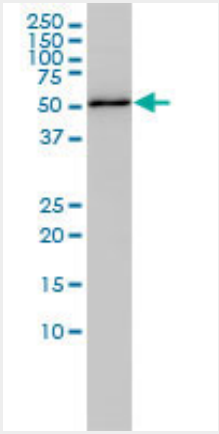
Tissue Location
Expressed in neuroblastoma cells.

RBBP4 / RBAP48 Antibody (clone 2D7) - Protocols

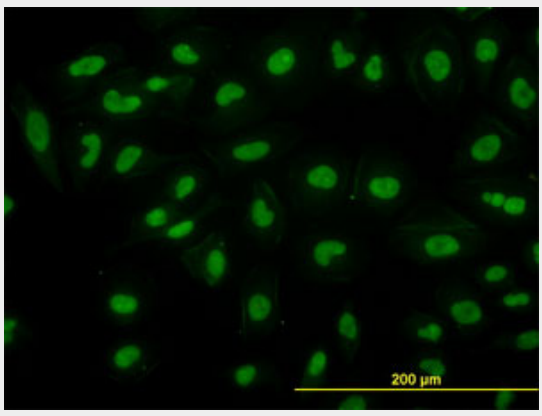
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

RBBP4 / RBAP48 Antibody (clone 2D7) - Images



RBBP4 monoclonal antibody clone 2D7 Western blot of RBBP4 expression in HeLa.



Immunofluorescence of monoclonal antibody to RBBP4 on HeLa cell. [antibody concentration 10

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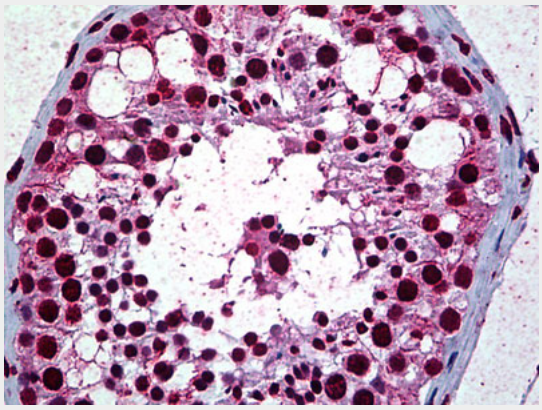
ug/ml]



Anti-RBBP4 / RBAP48 antibody IHC of human testis.

RBBP4 / RBAP48 Antibody (clone 2D7) - Background

Core histone-binding subunit that may target chromatin assembly factors, chromatin remodeling factors and histone deacetylases to their histone substrates in a manner that is regulated by nucleosomal DNA. Component of several complexes which regulate chromatin metabolism. These include the chromatin assembly factor 1 (CAF-1) complex, which is required for chromatin assembly following DNA replication and DNA repair; the core histone deacetylase (HDAC) complex, which promotes histone deacetylation and consequent transcriptional repression; the nucleosome remodeling and histone deacetylase complex (the NuRD complex), which promotes transcriptional repression by histone deacetylation and nucleosome remodeling; the PRC2/EED-EZH2 complex, which promotes repression of homeotic genes during development; and the NURF (nucleosome remodeling factor) complex.

RBBP4 / RBAP48 Antibody (clone 2D7) - References

Qian Y.-W.,et al.Nature 364:648-652(1993).
Nielsen M.S.,et al.Submitted (MAY-1993) to the EMBL/GenBank/DDBJ databases.
Kalnine N.,et al.Submitted (MAY-2003) to the EMBL/GenBank/DDBJ databases.
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Suzuki Y.,et al.Submitted (APR-2005) to the EMBL/GenBank/DDBJ databases.