

RBBP4 / RBAP48 Antibody (aa1-425, clone 11G10)
Mouse Monoclonal Antibody
Catalog # ALS11868**Specification**

RBBP4 / RBAP48 Antibody (aa1-425, clone 11G10) - Product Information

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

RBBP4 / RBAP48 Antibody (aa1-425, clone 11G10) - 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

The complete coding region (amino acids 1-425) of RbAp48 expressed in E. coli.

Reconstitution & Storage

Long term: -20°C; Short term: +4°C. Avoid repeat freeze-thaw cycles.

Precautions

RBBP4 / RBAP48 Antibody (aa1-425, clone 11G10) is for research use only and not for use in diagnostic or therapeutic procedures.

RBBP4 / RBAP48 Antibody (aa1-425, clone 11G10) - 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.

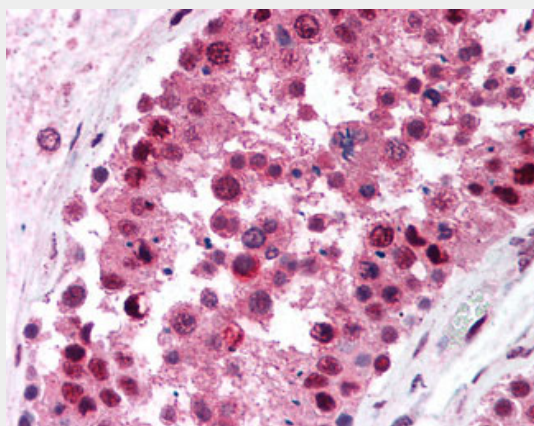
Tissue Location

Expressed in neuroblastoma cells.

RBBP4 / RBAP48 Antibody (aa1-425, clone 11G10) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

RBBP4 / RBAP48 Antibody (aa1-425, clone 11G10) - Images

Anti-RBBP4 / RBAP48 antibody IHC of human testis.

RBBP4 / RBAP48 Antibody (aa1-425, clone 11G10) - 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 (aa1-425, clone 11G10) - 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.