

LRWD1 Antibody (N-term) Blocking peptide
Synthetic peptide
Catalog # BP11807a**Specification**

LRWD1 Antibody (N-term) Blocking peptide - Product Information

Primary Accession [O9UFC0](#)
Other Accession [NP_690852.1](#)

LRWD1 Antibody (N-term) Blocking peptide - Additional Information

Gene ID 222229

Other Names

Leucine-rich repeat and WD repeat-containing protein 1, Centromere protein 33, CENP-33, Origin recognition complex-associated protein, ORC-associated protein, ORCA, LRWD1, CENP33, ORCA

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

LRWD1 Antibody (N-term) Blocking peptide - Protein Information

Name LRWD1

Synonyms CENP-33 {ECO:0000303|PubMed:20813266}, O

Function

Required for G1/S transition. Recruits and stabilizes the origin recognition complex (ORC) onto chromatin during G1 to establish pre-replication complex (preRC) and to heterochromatic sites in post-replicated cells. Binds a combination of DNA and histone methylation repressive marks on heterochromatin. Binds histone H3 and H4 trimethylation marks H3K9me3, H3K27me3 and H4K20me3 in a cooperative manner with DNA methylation. Required for silencing of major satellite repeats. May be important ORC2, ORC3 and ORC4 stability.

Cellular Location

Nucleus. Chromosome, centromere. Chromosome, telomere. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome {ECO:0000250|UniProtKB:Q8BUI3}. Chromosome, centromere, kinetochore. Note=Localizes to heterochromatin during G1 phase. Restricted to centromeres or telomeres as cells progress through S phase. When cells enter mitosis, relocalizes to centromeres. Recruitment to pericentric heterochromatin largely depends on the presence of H3K9me3

Tissue Location

Testis-specific. Drastically down-regulated in testis from patients with Sertoli cell-only syndrome (SCOS)

LRWD1 Antibody (N-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

LRWD1 Antibody (N-term) Blocking peptide - Images**LRWD1 Antibody (N-term) Blocking peptide - Background**

LRWD1, Leucine rich repeats and WD repeat domain containing 1, contains 3 LRR (leucine-rich) repeats and 5 WD repeats.

LRWD1 Antibody (N-term) Blocking peptide - References

Barcellos, L.F., et al. PLoS Genet. 5 (10), E1000696 (2009) :