

**LIN54 Antibody (C-term) Blocking Peptide**  
Synthetic peptide  
Catalog # BP16678b**Specification**

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**LIN54 Antibody (C-term) Blocking Peptide - Product Information**Primary Accession [Q6MZP7](#)**LIN54 Antibody (C-term) Blocking Peptide - Additional Information**

Gene ID 132660

**Other Names**

Protein lin-54 homolog, CXC domain-containing protein 1, LIN54, CXCDC1, KIAA2037

**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.

**LIN54 Antibody (C-term) Blocking Peptide - Protein Information**

Name LIN54

Synonyms CXCDC1, KIAA2037

**Function**

Component of the DREAM complex, a multiprotein complex that can both act as a transcription activator or repressor depending on the context (PubMed: [17531812](http://www.uniprot.org/citations/17531812), PubMed: [17671431](http://www.uniprot.org/citations/17671431)). In G0 phase, the complex binds to more than 800 promoters and is required for repression of E2F target genes (PubMed: [17531812](http://www.uniprot.org/citations/17531812), PubMed: [17671431](http://www.uniprot.org/citations/17671431)). In S phase, the complex selectively binds to the promoters of G2/M genes whose products are required for mitosis and participates in their cell cycle dependent activation (PubMed: [17531812](http://www.uniprot.org/citations/17531812), PubMed: [17671431](http://www.uniprot.org/citations/17671431)). In the complex, acts as a DNA-binding protein that binds the promoter of CDK1 in a sequence-specific manner (PubMed: [19725879](http://www.uniprot.org/citations/19725879) target="\_blank">19725879). Specifically recognizes the consensus motif 5'-TTYRAA-3' in target DNA (PubMed: [27465258](http://www.uniprot.org/citations/27465258) target="\_blank">27465258).

**Cellular Location**

Nucleus.

**LIN54 Antibody (C-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

**LIN54 Antibody (C-term) Blocking Peptide - Images****LIN54 Antibody (C-term) Blocking Peptide - Background**

LIN54 is a component of the LIN, or DREAM, complex, an essential regulator of cell cycle genes (Schmit et al., 2009[PubMed 19725879]).

**LIN54 Antibody (C-term) Blocking Peptide - References**

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) ;Schmit, F., et al. FEBS J. 276(19):5703-5716(2009)