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CHD3 Blocking Peptide (N-Term)

Synthetic peptide
Catalog # BP21796a

Specification

CHD3 Blocking Peptide (N-Term) - Product Information

Primary Accession Q12873

CHD3 Blocking Peptide (N-Term) - Additional Information

Gene ID 1107

Other Names
Chromodomain-helicase-DNA-binding protein 3, CHD-3, ATP-dependent helicase CHD3, Mi-2 autoantigen 240 kDa protein, Mi2-alpha, Zinc finger helicase, hZFH, CHD3

Target/Specificity
The synthetic peptide sequence is selected from aa 615-629 of HUMAN CHD3

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.

CHD3 Blocking Peptide (N-Term) - Protein Information

Name CHD3

Function
ATP-dependent helicase that binds and distorts nucleosomal DNA (PubMed:28977666). Acts as a component of the histone deacetylase NuRD complex which participates in the remodeling of chromatin (PubMed:9804427, PubMed:30397230, PubMed:16428440, PubMed:28977666). Involved in transcriptional repression as part of the NuRD complex (PubMed:27068747). Required for anchoring centrosomal pericentrin in both interphase and mitosis, for spindle organization and centrosome integrity (PubMed:17626165).

Cellular Location

Nucleus, PML body. Nucleus. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome Note=Associates with centrosomes in interphase and mitosis (PubMed:17626165). Localizes to sites of DNA damage (PubMed:28977666)

Tissue Location
Widely expressed.

CHD3 Blocking Peptide (N-Term) - Protocols

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

- Blocking Peptides

CHD3 Blocking Peptide (N-Term) - Images

CHD3 Blocking Peptide (N-Term) - Background

Component of the histone deacetylase NuRD complex which participates in the remodeling of chromatin by deacetylating histones. Required for anchoring centrosomal pericentrin in both interphase and mitosis, for spindle organization and centrosome integrity.

CHD3 Blocking Peptide (N-Term) - References

Aubry F.,et al.Eur. J. Biochem. 254:558-564(1998).
Zody M.C.,et al.Nature 440:1045-1049(2006).
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.
Woodage T.,et al.Proc. Natl. Acad. Sci. U.S.A. 94:11472-11477(1997).
Ge Q.,et al.J. Clin. Invest. 96:1730-1737(1995).