

DND1 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP16527c**Specification**

DND1 Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [Q8IYX4](#)**DND1 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 373863**Other Names**

Dead end protein homolog 1, RNA-binding motif, single-stranded-interacting protein 4, DND1, RBMS4

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.

DND1 Antibody (Center) Blocking Peptide - Protein Information**Name** DND1**Synonyms** RBMS4**Function**

RNA-binding factor that positively regulates gene expression by prohibiting miRNA-mediated gene suppression. Relieves miRNA repression in germline cells (By similarity). Prohibits the function of several miRNAs by blocking the accessibility of target mRNAs. Sequence-specific RNA-binding factor that binds specifically to U-rich regions (URRs) in the 3' untranslated region (3'-UTR) of several mRNAs. Does not bind to miRNAs. May play a role during primordial germ cell (PGC) survival (By similarity). However, does not seem to be essential for PGC migration (By similarity).

Cellular Location

Nucleus. Cytoplasm. Note=Perinuclear germ granules, also called germ plasm or chromatoid body. Colocalizes in perinuclear sites with APOBEC3 (By similarity).

DND1 Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

DND1 Antibody (Center) Blocking Peptide - Images

DND1 Antibody (Center) Blocking Peptide - Background

This gene encodes a protein that binds to microRNA-targeting sequences of mRNAs, inhibiting microRNA-mediated repression. Reduced expression of this gene has been implicated in tongue squamous cell carcinoma. Two pseudogenes of this gene are located on the long arm of chromosome 17.

DND1 Antibody (Center) Blocking Peptide - References

Liu, X., et al. FEBS Lett. 584(18):4115-4120(2010) Sijmons, R.H., et al. Fam. Cancer 9(3):439-442(2010) Kedde, M., et al. Cell Cycle 7(7):899-903(2008) Linger, R., et al. Genes Chromosomes Cancer 47(3):247-252(2008) Ketting, R.F. Cell 131(7):1226-1227(2007)