

**EXD1 Antibody (C-term) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP11751b****Specification**

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**EXD1 Antibody (C-term) Blocking peptide - Product Information**

Primary Accession [Q8NHP7](#)  
Other Accession [NP\\_689809.2](#)

**EXD1 Antibody (C-term) Blocking peptide - Additional Information**

**Gene ID** 161829

**Other Names**

Exonuclease 3'-5' domain-containing protein 1, Exonuclease 3'-5' domain-like-containing protein 1, EXD1, EXDL1

**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.

**EXD1 Antibody (C-term) Blocking peptide - Protein Information**

**Name** EXD1

**Synonyms** EXDL1

**Function**

RNA-binding component of the PET complex, a multiprotein complex required for the processing of piRNAs during spermatogenesis. The piRNA metabolic process mediates the repression of transposable elements during meiosis by forming complexes composed of piRNAs and Piwi proteins and governs the methylation and subsequent repression of transposable elements, preventing their mobilization, which is essential for the germline integrity (By similarity). The PET complex is required during the secondary piRNAs metabolic process for the PIWIL2 slicing-triggered loading of PIWIL4 piRNAs. In the PET complex, EXD1 probably acts as an RNA adapter. EXD1 is an inactive exonuclease (By similarity).

**Cellular Location**

Cytoplasm {ECO:0000250|UniProtKB:H9IUR0}. Note=Component of the meiotic nuage, also named P granule, a germ-cell- specific organelle required to repress transposon activity during meiosis. {ECO:0000250|UniProtKB:H9IUR0}

**EXD1 Antibody (C-term) Blocking peptide - Protocols**

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

- [Blocking Peptides](#)

**EXD1 Antibody (C-term) Blocking peptide - Images****EXD1 Antibody (C-term) Blocking peptide - References**

Hillier, L.W., et al. Nature 424(6945):157-164(2003)