

DDX3Y Antibody (N-term) Blocking peptide
Synthetic peptide
Catalog # BP12787a**Specification**

DDX3Y Antibody (N-term) Blocking peptide - Product Information

Primary Accession [O15523](#)

DDX3Y Antibody (N-term) Blocking peptide - Additional Information

Gene ID 8653

Other Names

ATP-dependent RNA helicase DDX3Y, DEAD box protein 3, Y-chromosomal, DDX3Y, DBY

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.

DDX3Y Antibody (N-term) Blocking peptide - Protein Information

Name DDX3Y

Function

Probable ATP-dependent RNA helicase. During immune response, may enhance IFNB1 expression via IRF3/IRF7 pathway (By similarity).

Cellular Location

Cytoplasm. Nucleus Note=Shuttles between the nucleus and the cytoplasm in an XPO1-dependent manner

Tissue Location

Widely expressed at the mRNA level, with highest levels in testis (PubMed:9381176). Testis-specific (at protein level) Expressed predominantly in spermatogonia, but occasionally detected in some pre-leptotene/leptotene spermatocytes (PubMed:15294876)

DDX3Y Antibody (N-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

DDX3Y Antibody (N-term) Blocking peptide - Images

DDX3Y Antibody (N-term) Blocking peptide - Background

DEAD box proteins, characterized by the conserved motif Asp-Glu-Ala-Asp (DEAD), are putative RNA helicases. They are implicated in a number of cellular processes involving alteration of RNA secondary structure such as translation initiation, nuclear and mitochondrial splicing, and ribosome and spliceosome assembly. Based on their distribution patterns, some members of this family are believed to be involved in embryogenesis, spermatogenesis, and cellular growth and division. This gene encodes a DEAD box protein, and it has a homolog on the X chromosome. The gene mutation causes male infertility, Sertoli cell-only syndrome or severe hypospermatogenesis, suggesting that this gene plays a key role in the spermatogenic process. Alternatively spliced variants, encoding the same protein, have been identified.

DDX3Y Antibody (N-term) Blocking peptide - References

Rosinski, K.V., et al. Blood 111(9):4817-4826(2008) Lardone, M.C., et al. Mol. Hum. Reprod. 13(10):705-712(2007) Pope, S.N., et al. J. Steroid Biochem. Mol. Biol. 94 (1-3), 203-208 (2005) :Rush, J., et al. Nat. Biotechnol. 23(1):94-101(2005) Ficarro, S.B., et al. Rapid Commun. Mass Spectrom. 19(1):57-71(2005)