

## Summary

Production Name	DDX3Y Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	IHC,ELISA
Reactivity	Human, Mouse

### Performance

Conjugation	Unconjugated
Modification	Unmodified
lsotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

#### Immunogen

Gene Name	DDX3Y			
Alternative Names	DDX3Y; DBY; ATP-dependent RNA helicase DDX3Y; DEAD box protein 3; Y-			
	chromosomal			
Gene ID	8653.0			
SwissProt ID	O15523. The antiserum was produced against synthesized peptide derived from human			
	DDX3Y. AA range:41-90			

# Application

Dilution Ratio	IHC 1:100-1:300	ELISA: 1:20000
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**Molecular Weight** 

# Background

## Product Name: DDX3Y Rabbit Polyclonal Antibody Catalog #: APRab09882



The protein encoded by this gene is a member of the DEAD-box RNA helicase family, characterized by nine conserved motifs, included the conserved Asp-Glu-Ala-Asp (DEAD) motif. These motifs are thought to be involved in ATP binding, hydrolysis, RNA binding, and in the formation of intramolecular interactions. This protein shares high similarity to DDX3X, on the X chromosome, but a deletion of this gene is not complemented by DDX3X. Mutations in this gene result in male infertility, a reduction in germ cell numbers, and can result in Sertoli-cell only sydrome. Pseudogenes sharing similarity to both this gene and the DDX3X paralog are found on chromosome 4 and the X chromosome. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Oct 2014],disease:DDX3Y is deleted in severe non-obstructive hypospermatogenesis [MIM:400042],function:Probable ATP-dependent RNA helicase. May play a role in spermatogenesis.,similarity:Belongs to the DEAD box helicase family. DDX3/DED1 subfamily.,similarity:Contains 1 helicase ATP-binding domain.,similarity:Contains 1 helicase C-terminal domain.,subcellular location:Shuttles between the nucleus and the cytoplasm in an XPO1-dependent manner.,subunit:May interact with TDRD3,tissue specificity:Testis-specific. Expressed predominantly in spermatogonia.,

## **Research Area**

RIG-I-like receptor;

## Image Data



Immunohistochemistry analysis of paraffin-embedded human brain tissue, using DDX3Y Antibody. The picture on the right is blocked with the synthesized peptide.

#### Note

For research use only.