10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

DDX3Y Rabbit pAb

Catalog # AP96579

Product Information

Application	WB, IHC-P, IHC-F, IF, E
Primary Accession	O15523
Other Accession	O15523
Predicted	Rat, Pig, Human, Mouse, Dog, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	73154
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from Human DDX3Y
Epitope Specificity	401-500/660
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the DEAD box helicase family. DDX3/DED1 subfamily. Contains 1 helicase ATP-binding domain. Contains 1 helicase C-terminal domain.
SUBUNIT	May interact with TDRD3.
DISEASE	Note=DDX3Y is located in the 'azoospermia factor a' (AZFa) region on chromosome Y which is deleted in Sertoli cell-only syndrome. This is an infertility disorder in which no germ cells are visible in seminiferous tubules leading to azoospermia.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	DDX3X is encoded by a gene found on the X chromosome while DDX3Y is encoded by a gene on the Y chromosome. DDX3Y is exclusively expressed in testis and is required for normal spermatogenesis. DDX3X is ubiquitously expressed and predominantly localizes to the nuclear speckles, participating in RNA splicing, transcription, translation initiation, mRNA transport and cell cycle regulation. DDX3X also partakes in HIV-1 replication and hepatitis C viral infections.

Additional Information

Gene ID	8653
Other Names	DBY; 8030469F12Rik; D1Pas1-rs1; Ddx3; DDX3Y_HUMAN; DDX3Y; DEAD box protein 3, Y-chromosomal; 3.6.4.13; DDX3Y_MOUSE; D1Pas1-related sequence 1; DEAD-box RNA helicase DEAD2 (mDEAD2); Dead2; DEAD-box helicase 3 Y-linked; DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide, Y chromosome; DEAD (Asp-Glu-Ala-Asp) box polypeptide 3, Y-linked; DEAD (Asp-Glu-Ala-Asp) box helicase 3, Y-linked
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000

Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

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)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.