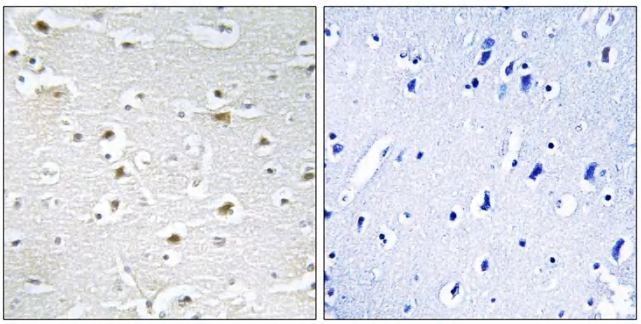
DDX3Y Polyclonal Antibody

Catalog No	YP-Ab-01643
Isotype	IgG
Reactivity	Human;Mouse
Applications	IHC;IF;ELISA
Gene Name	DDX3Y
Protein Name	ATP-dependent RNA helicase DDX3Y
Immunogen	The antiserum was produced against synthesized peptide derived from human DDX3Y. AA range:41-90
Specificity	DDX3Y Polyclonal Antibody detects endogenous levels of DDX3Y protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	IHC: 1/100 - 1/300. ELISA: 1/20000.. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	DDX3Y; DBY; ATP-dependent RNA helicase DDX3Y; DEAD box protein 3; Y-chromosomal
Observed Band	
Cell Pathway	Cytoplasm . Nucleus . Shuttles between the nucleus and the cytoplasm in an XPO1-dependent manner.
Tissue Specificity	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).
Function	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.,
Background	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],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



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