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Rabbit Anti-DDX4 antibody

SL3597R

Product Name:	DDX4
Chinese Name:	DDX4抗体
Alias:	DDX 4; DEAD (Asp Glu Ala Asp) box polypeptide 4; Dead box protein 4; Dead-box protein 4; MGC111074; MVH; Probable ATP dependent RNA helicase DDX4; VASA; VASA homolog; DDX4_HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Rabbit,
Applications:	IHC-P=1:400-800IHC-F=1:400-800（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	80kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human DDX4/MVH:601-700/724
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. 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.
PubMed:	PubMed
Product Detail:	Summary: 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, which is a homolog of VASA proteins in Drosophila and several other species. The gene is specifically expressed in the germ cell lineage in both sexes and functions in germ cell development. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq].

Function:
May play a role in germ cell development. May play a role in sperm motility.

Subunit:
Found in a mRNP complex, at least composed of TDRD1, TDRD6, TDRD7 and DDX4. N-terminus interacts with RANBP9. Interacts with PIWIL2 and MAEL.

Subcellular Location:
Cytoplasm. Cytoplasm, perinuclear region.

Tissue Specificity:
Expressed only in ovary and testis. Expressed in migratory primordial germ cells in the region of the gonadal ridge in both sexes.

Similarity:
Belongs to the DEAD box helicase family. DDX4/VASA subfamily.
Contains 1 helicase ATP-binding domain.
Contains 1 helicase C-terminal domain.

SWISS:
Q9NQI0

Gene ID:
54514

Database links:

Entrez Gene: 54514Human

Entrez Gene: 13206Mouse

Entrez Gene: 310090Rat

Omim: 605281Human

SwissProt: Q5W5U4Cow

SwissProt: Q9NQI0Human

SwissProt: Q61496Mouse

SwissProt: Q6GWX0Pig

SwissProt: Q64060Rat

	Unigene: 223581Human Unigene: 12818Mouse Unigene: 198577Rat **Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.