SunLong Biotech Co.,LTD
Tel: 0086-571-56623320 Fax:0086-571-56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

[Primary Antibody]

Rabbit Anti-DDX4 antibody

Catalog Number: SL22892R

FOR RESEARCH USE ONLY

[DATASHEET]

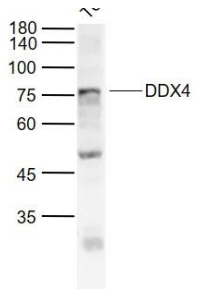
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	DDX4
Immunogen:	KLH conjugated synthetic peptide derived from human SL22891R: 591-690/724
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Mouse, (predicted: Human, Rat, Dog, Pig, Cow, Rabbit)
Predicted MW.:	80kDa
Subcellular Location:	cytoplasmic
Background:	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,

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

SunLong Biotech Co.,LTD
Tel: 0086-571-56623320 Fax:0086-571-56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

	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. **Database links:** **Entrez Gene:** 54514 Human **Entrez Gene:** 13206 Mouse **Entrez Gene:** 310090 Rat Omim: 605281 Human **SwissProt:** Q5W5U4 Cow **SwissProt:** Q9NQI0 Human **SwissProt:** Q61496 Mouse **SwissProt:** Q6GWX0 Pig **SwissProt:** Q64060 Rat **Unigene:** 223581 Human **Unigene:** 12818 Mouse **Unigene:** 198577 Rat

[VALIDATION IMAGES]



Sample:
Lane 1: Testis (Mouse) Tissue Lysate at 40 ug
Primary: Anti-DDX4 (SL22892R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 80 kD
Observed band size: 80 kD

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.