

For Research Use Only

# DDX4, VASA Monoclonal antibody, PBS Only



Catalog Number: 67147-2-PBS

## Basic Information

Catalog Number:

67147-2-PBS

Size:

1 mg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG11630

GenBank Accession Number:

BC047455

GeneID (NCBI):

54514

UNIPROT ID:

Q9NQI0

Full Name:

DEAD (Asp-Glu-Ala-Asp) box polypeptide 4

Calculated MW:

690aa, 76 kDa; 724aa, 79 kDa

Observed MW:

79 kDa

Purification Method:

Protein A purification

CloneNo.:

1F12C3

## Applications

Tested Applications:

WB, IHC, IF, ELISA

Species Specificity:

Human, mouse, rat

## Background Information

DEAD box proteins are characterized by nine conserved sequence motifs located on two functional domains. Domain I contains six of these motifs, including the Q motif and the Walker A motif, motifs Ia and Ib, the Walker B motif, and motif III, which may act to link ATPase and helicase activities of the protein [PMID:21653890]. DDX4, a member of the DEAD box family of ATP-dependent RNA helicases, plays a central role in several aspects of germ cell development. Its function is not only required during gametogenesis in the adult but is also essential for the specification of the germ cell lineage during embryogenesis [PMID:20016130].

## Storage

Storage:

Store at -80°C.

**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

Storage Buffer:

PBS only

For technical support and original validation data for this product please contact:

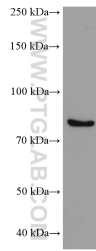
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

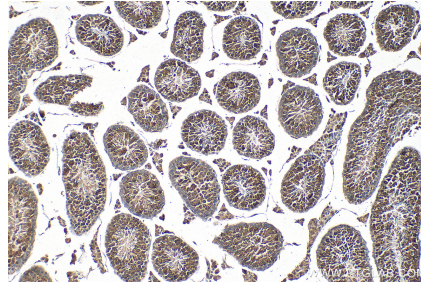
W: [ptgcn.com](http://ptgcn.com)

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

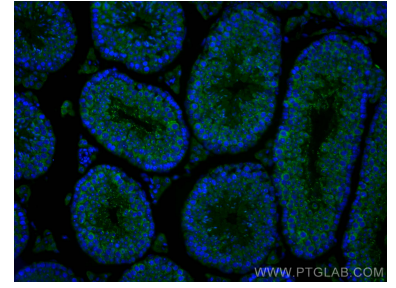
## Selected Validation Data



SKOV-3 cells were subjected to SDS PAGE followed by western blot with 67147-2-Ig (DDX4, VASA antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 67147-2-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 67147-2-Ig (DDX4, VASA antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 67147-2-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed mouse testis tissue using DDX4, VASA antibody (67147-2-Ig, Clone: 1F12C3) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 67147-2-PBS in a different storage buffer formulation.