

Datasheet for ABIN701365
anti-DDX4 antibody (AA 601-700)[Go to Product page](#)

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Overview

Quantity:	100 µL
Target:	DDX4
Binding Specificity:	AA 601-700
Reactivity:	Chicken
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DDX4 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human DDX4
Isotype:	IgG
Cross-Reactivity:	Chicken
Predicted Reactivity:	Human,Mouse,Rat,Dog,Cow,Pig,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	DDX4
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Target Details

Alternative Name:	DDX4 (DDX4 Products)
Background:	<p>Synonyms: VASA, Probable ATP-dependent RNA helicase DDX4, DEAD box protein 4, Vasa homolog, DDX4</p> <p>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].</p>
Gene ID:	54514
UniProt:	Q9NQI0

Application Details

Application Notes:	WB 1:300-5000 FCM 1:20-100 IHC-P 1:200-400 IHC-F 1:100-500 IF(IHC-P) 1:50-200
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C, -20 °C

Handling

Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

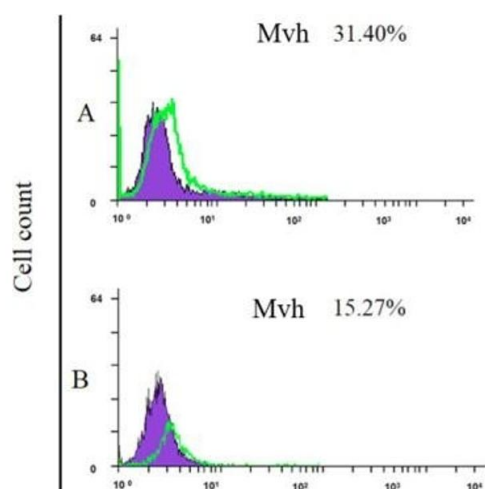
Expiry Date: 12 months

Publications

Product cited in: Shirzeyli, Tayyebiazar, Aliakbari, Ghasemi, Eini, Shirzeyli, Vanaki, Sobhani: "Comparison of the efficacy of bone morphogenetic protein-4 on in vitro differentiation of murine adipose and bone marrow mesenchymal stem cells into primordial germ cells." in: , Vol. 17, Issue 2, pp. 123-133, (2022) ([PubMed](#)).

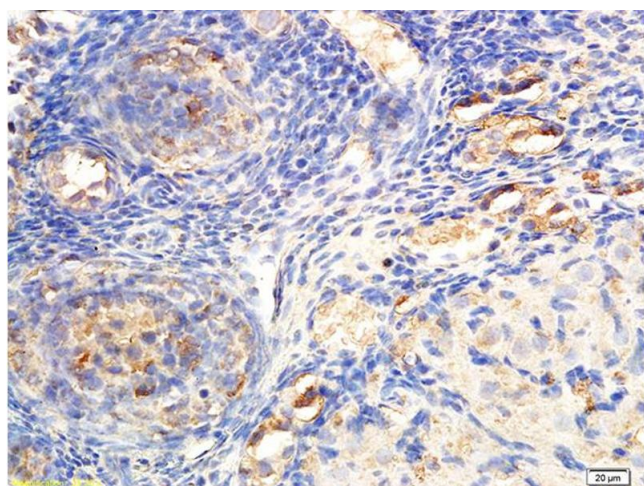
Imus, Roe, Charter, Durrant, Jensen: "Transfer and detection of freshly isolated or cultured chicken (*Gallus gallus*) and exotic species' embryonic gonadal germ stem cells in host embryos." in: **Zoological science**, Vol. 31, Issue 6, pp. 360-8, (2014) ([PubMed](#)).

Images



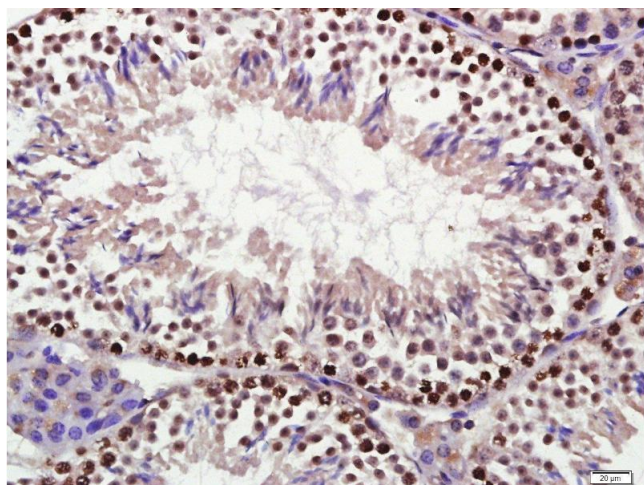
Flow Cytometry

Image 1. Flow cytometry analysis of mesenchymal stem cells derived from bone marrow (upper) and adipose tissue-derived mesenchymal stem cells (lower) after culturing in the medium contains bone morphogenetic protein-4 for 4 days. The data indicated that these cells are positive for the germ cell markers (Mvh). Isotype control is violet. Source: PMID35280837



Immunohistochemistry

Image 2. Formalin-fixed and paraffin embedded rat ovarian tissue labeled with Anti-DDX4/MVH Polyclonal Antibody, Unconjugated (ABIN701365) at 1:300 followed by conjugation to the secondary antibody and DAB staining



Immunohistochemistry (Paraffin-embedded Sections)

Image 3. Paraformaldehyde-fixed, paraffin embedded mouse testis, Antigen retrieval by boiling in sodium citrate buffer (pH6) for 15min, Block endogenous peroxidase by 3% hydrogen peroxide for 30 minutes, Blocking buffer (normal goat serum) at 37°C for 20min, Antibody incubation with DDX4 Polyclonal Antibody (bs-3597R) at 1:400 overnight at 4°C, followed by a conjugated secondary and DAB staining.