

Datasheet for ABIN3044032
anti-DDX4 antibody (Middle Region)

6 Images

[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	DDX4
Binding Specificity:	AA 253-272, Middle Region
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DDX4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunocytochemistry (ICC)

Product Details

Purpose:	Rabbit IgG polyclonal antibody for Probable ATP-dependent RNA helicase DDX4(DDX4) detection. Tested with WB, IHC-P, IHC-F, ICC in Human,Mouse,Rat.
Immunogen:	A synthetic peptide corresponding to a sequence in the middle region of human DDX4(253-272aa EDEDSIFAHYQTGINFDKYD), identical to the the related rat and mouse sequences.
Sequence:	EDEDSIFAHY QTGINFDKYD
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for Probable ATP-dependent RNA helicase DDX4(DDX4) detection. Tested with WB, IHC-P, IHC-F, ICC in Human,Mouse,Rat. Gene Name: DEAD(Asp-Glu-Ala-Asp) box polypeptide 4

Product Details

Protein Name: Probable ATP-dependent RNA helicase DDX4

Purification: Immunogen affinity purified.

Target Details

Target: DDX4

Alternative Name: DDX4 ([DDX4 Products](#))

Background: DDX4(DEAD/H BOX 4), also known as VASA. The deduced 724-amino acid VASA protein contains the 8 conserved domains found in all known DEAD box proteins. The amino acid sequence in this core region shows greater similarity to VASA homologs in other species than to other human DEAD box proteins. By radiation hybrid analysis, Castrillon et al.(2000) mapped the VASA gene to 5q. By fluorescence in situ hybridization, they refined the localization to 5q11.2-q12. This region is syntenic to the distal end of mouse chromosome 13, where the mouse VASA homolog(Ddx4) resides(Abe and Noce, 1997). Using a combination of proteomics, cytology, and functional analysis in *C. elegans*, Chu et al.(2006) reduced 1,099 proteins copurified with spermatogenic chromatin to 132 proteins for functional analysis.

Synonyms: DDX 4 antibody|Ddx4 antibody|DDX4_HUMAN antibody|DEAD(Asp Glu Ala Asp) box polypeptide 4 antibody|DEAD box protein 4 antibody|Dead-box protein 4 antibody|DEAD/H(Asp-Glu-Ala-Asp/His) box polypeptide 4 antibody|MGC111074 antibody|MVH antibody|Probable ATP dependent RNA helicase DDX4 antibody|Probable ATP-dependent RNA helicase DDX4 antibody|VASA antibody|VASA homolog antibody

Application Details

Application Notes: WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, Mouse, Rat, The detection limit for DDX4 is approximately 0.5 ng/lane under reducing conditions.

IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Human, Rat, Predicted Species: Mouse, Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections.

IHC-F: Concentration: 0.5-1 µg/mL, Tested Species: Rat, Predicted Species: Mouse

ICC: Concentration: 0.5-1 µg/mL, Tested Species: Human, Predicted Species: Mouse, Rat

Notes: Tested Species: Species with positive results. Predicted Species: Species predicted to be fit for the product based on sequence similarities. Other applications have not been tested.

Optimal dilutions should be determined by end users.

Application Details

Comment: Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P), IHC(F) and ICC.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.

Concentration: 500 µg/mL

Buffer: Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na₂HPO₄, 0.05 mg Thimerosal, 0.05 mg Sodium azide.

Preservative: Thimerosal (Merthiolate), Sodium azide

Precaution of Use: This product contains Sodium azide and Thimerosal (Merthiolate): POISONOUS AND HAZARDOUS SUBSTANCES which should be handled by trained staff only.

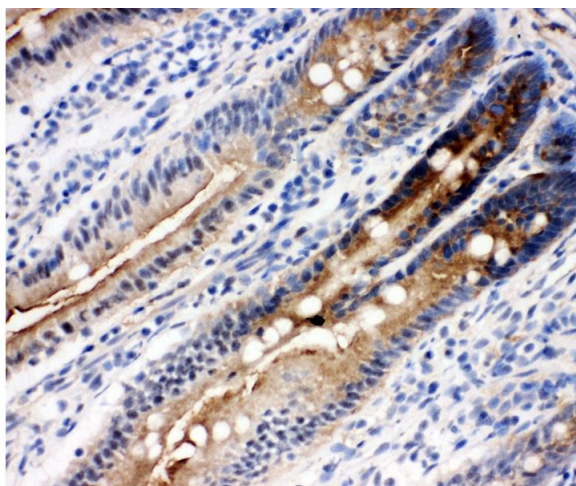
Handling Advice: Avoid repeated freezing and thawing.

Storage: 4 °C/-20 °C

Storage Comment: At -20°C for one year. After reconstitution, at 4°C for one month.
It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

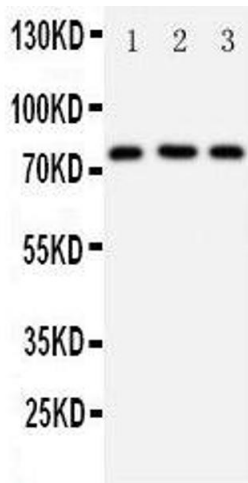
Expiry Date: 12 months

Images



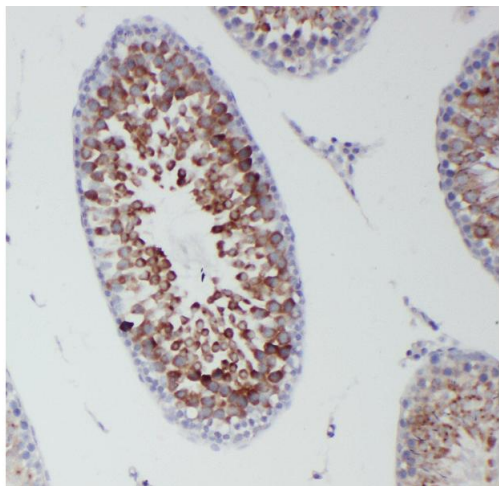
Immunohistochemistry

Image 1. Anti-DDX4/MVH antibody, IHC(F) IHC(F): Rat Intestine Tissue



Western Blotting

Image 2. Anti-DDX4/MVH antibody, Western blotting Lane 1: Rat Testis Tissue Lysate Lane 2: Mouse Testis Tissue Lysate Lane 3: HELA Cell Lysate



Immunohistochemistry

Image 3. Anti-DDX4/MVH antibody, IHC(P) IHC(P): Rat Testis Tissue

Please check the [product details page](#) for more images. Overall 6 images are available for ABIN3044032.