

## Product datasheet

# Anti-DDX4 / MVH antibody [EPR3849] ab108392

Recombinant RabMAb

1 Image

### Overview

<b>Product name</b>	Anti-DDX4 / MVH antibody [EPR3849]
<b>Description</b>	Rabbit monoclonal [EPR3849] to DDX4 / MVH
<b>Tested applications</b>	<b>Suitable for:</b> WB, IP <b>Unsuitable for:</b> Flow Cyt, ICC or IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Rat, Human
<b>Immunogen</b>	A synthetic peptide corresponding to residues in Human DDX4/ MVH
<b>Positive control</b>	Human testis, Human ovary cancer, K562, seminoma, HeLa, NCCIT and LNCaP cell lysates
<b>General notes</b>	This product is a recombinant rabbit monoclonal antibody.  Our RabMAb <sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a>

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
<b>Storage buffer</b>	PBS 49%, Sodium azide 0.01%, Glycerol 50%, BSA 0.05%
<b>Purity</b>	Tissue culture supernatant
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR3849
<b>Isotype</b>	IgG

### Applications

Our [Abpromise guarantee](#) covers the use of **ab108392** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/10000 - 1/50000. Detects a band of approximately 83 kDa (predicted molecular weight: 79 kDa).
IP		1/10 - 1/100.

**Application notes** Is unsuitable for Flow Cyt, ICC or IHC-P.

## Target

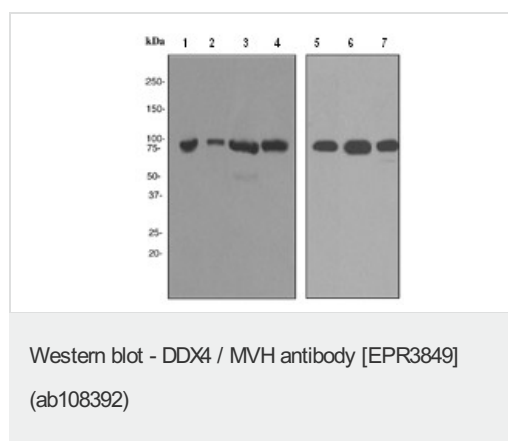
**Function** Probable ATP-dependent RNA helicase required during spermatogenesis (PubMed:10920202, PubMed:21034600). Required to repress transposable elements and preventing their mobilization, which is essential for the germline integrity. Acts via the piRNA metabolic process, which mediates the repression of transposable elements during meiosis by forming complexes composed of piRNAs and Piwi proteins and governs the methylation and subsequent repression of transposons. Involved in the secondary piRNAs metabolic process, the production of piRNAs in fetal male germ cells through a ping-pong amplification cycle.

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

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

**Cellular localization** Cytoplasm. Cytoplasm, perinuclear region. Component of the meiotic nuage, also named P granule, a germ-cell-specific organelle required to repress transposon activity during meiosis.

## Images



**All lanes :** Anti-DDX4 / MVH antibody [EPR3849] (ab108392) at 1/10000 dilution

- Lane 1 :** Human testis lysate
- Lane 2 :** Human ovary cancer lysate
- Lane 3 :** K562 cell lysate
- Lane 4 :** Seminoma cell lysate
- Lane 5 :** HeLa cell lysate
- Lane 6 :** NCCIT cell lysate
- Lane 7 :** LNCaP cell lysate

Lysates/proteins at 10 µg per lane.

**Predicted band size :** 79 kDa

**Observed band size :** 83 kDa

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