### DDX4 / VASA Antibody (aa700-724)
Rabbit Polyclonal Antibody  
Catalog # ALS14900

#### Specification

<table>
<thead>
<tr>
<th>Application</th>
<th>IHC</th>
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</thead>
<tbody>
<tr>
<td>Primary Accession</td>
<td>Q9NQI0</td>
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<tr>
<td>Reactivity</td>
<td>Human, Mouse, Monkey, Horse, Dog</td>
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<td>Host</td>
<td>Rabbit</td>
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<tr>
<td>Clonality</td>
<td>Polyclonal</td>
</tr>
<tr>
<td>Calculated MW</td>
<td>79kDa KDa</td>
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</tbody>
</table>

#### Gene ID 54514

#### Other Names
Probable ATP-dependent RNA helicase DDX4, 3.6.4.13, DEAD box protein 4, Vasa homolog, DDX4, VASA

#### Target/Specificity
Human DDX4

#### Reconstitution & Storage
Store at 4°C for short term applications. For long term storage, aliquot and store at -20°C.

#### Precautions
DDX4 / VASA Antibody (aa700-724) is for research use only and not for use in diagnostic or therapeutic procedures.

#### References

#### Function
Required to repress transposable elements and preventing their mobilization, which is essential for the germline integrity (By similarity). Acts via the piRNA metabolic process, which mediates the repression of germline transposons.
transposable elements during meiosis by forming complexes composed of piRNAs and Piwi proteins and governs the methylation and subsequent repression of transposons (By similarity). Involved in the secondary piRNAs metabolic process, the production of piRNAs in fetal male germ cells through a ping-pong amplification cycle (By similarity). Required for PIWIL2 slicing-triggered piRNA biogenesis: helicase activity enables utilization of one of the slice cleavage fragments generated by PIWIL2 and processing these pre-piRNAs into piRNAs (By similarity).

**Cellular Location**

Cytoplasm

Cytoplasm, perinuclear region

Note=Component of the meiotic nuage, also named P granule, a germ-cell-specific organelle required to repress transposon activity during meiosis.

**Tissue Location**

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

**DDX4 / VASA Antibody (aa700-724) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytometry
- Cell Culture