abcam

Product datasheet

DDX4 / MVH peptide ab13841

2 References 1 Image

Description

Product name DDX4 / MVH peptide

Purity > 90 % HPLC.

Accession Q9NQI0

Animal free No

Nature Synthetic

Specifications

Our Abpromise guarantee covers the use of ab13841 in the following tested applications.

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

Applications Blocking - Blocking peptide for Anti-DDX4 / MVH antibody (<u>ab13840</u>)

Form Liquid

Additional notes - First try to dissolve a small amount of peptide in either water or buffer. The more charged

residues on a peptide, the more soluble it is in aqueous solutions.

- If the peptide doesn't dissolve try an organic solvent e.g. DMSO, then dilute using water or

buffer.

- Consider that any solvent used must be compatible with your assay. If a peptide does not

dissolve and you need to recover it, lyophilise to remove the solvent.

- Gentle warming and sonication can effectively aid peptide solubilisation. If the solution is

cloudy or has gelled the peptide may be in suspension rather than solubilised.

- Peptides containing cysteine are easily oxidised, so should be prepared in solution just prior

to use.

Preparation and Storage

Stability and Storage Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw

cycles.

Information available upon request.

General Info

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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.

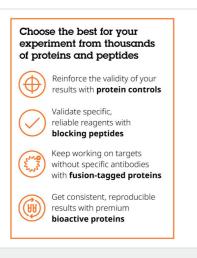
Sequence similarities Belongs to the DEAD box helicase family. DDX4/VASA subfamily.

Contains 1 helicase ATP-binding domain. Contains 1 helicase C-terminal domain.

Cellular localizationCytoplasm, perinuclear region. Component of the meiotic nuage, also named P

granule, a germ-cell-specific organelle required to repress transposon activity during meiosis.

Images



DDX4 / MVH peptide (ab13841)

To learn more about our protein and peptide range click here.

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