

Product datasheet

Anti-DDX25 antibody ab254625

4 Images

Overview

Product name	Anti-DDX25 antibody
Description	Rabbit polyclonal to DDX25
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P
Species reactivity	Reacts with: Human
Immunogen	<p>Recombinant fragment corresponding to Human DDX25 aa 19-92. Sequence:</p> <p>NSHFSNLSQPRKNLWGIKSTAVRNIDGSINNINEDDEEDVV DLAANSLLN KLIHQSLVESSHRVEVLQKDPSSP</p> <p>Database link: Q9UHL0</p> <p style="text-align: right;">  Run BLAST with  Run BLAST with </p>
Positive control	IHC-P: Human hypothalamus and testis tissue. WB: RT-4 whole cell lysate.
General notes	<p>Reproducibility is key to advancing scientific discovery and accelerating scientists' next breakthrough.</p> <p>Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility.</p> <p>We are also planning to innovate the way in which we present recommended applications and species on our product datasheets, so that only applications & species that have been tested in our own labs, our suppliers or by selected trusted collaborators are covered by our Abpromise™ guarantee.</p> <p>In preparation for this, we have started to update the applications & species that this product is Abpromise guaranteed for.</p> <p>We are also updating the applications & species that this product has been “predicted to work with,” however this information is not covered by our Abpromise guarantee.</p> <p>Applications & species from publications and Abreviews that have not been tested in our own labs or in those of our suppliers are not covered by the Abpromise guarantee.</p> <p>Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, as well as customer reviews and Q&As.</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.20 Preservative: 0.02% Sodium azide Constituents: 40% Glycerol (glycerin, glycerine), PBS
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab254625** 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		Use a concentration of 0.04 - 0.4 µg/ml. Predicted molecular weight: 35 kDa.
IHC-P		1/500 - 1/1000. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

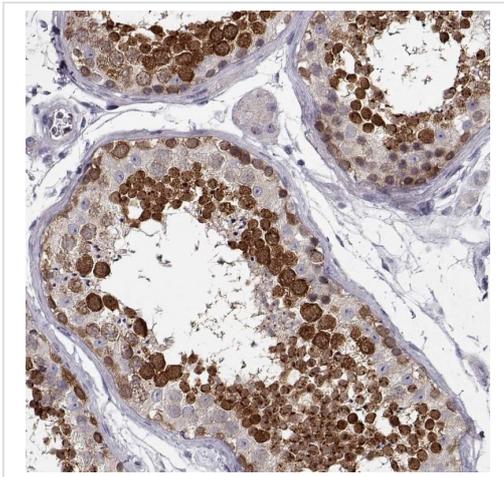
Target

Relevance

DDX25 is a member of DEAD box proteins family. 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 the DEAD box protein family are believed to be involved in embryogenesis, spermatogenesis, and cellular growth and division. DDX25 is a gonadotropin-regulated and developmentally expressed testicular RNA helicase. It may serve to maintain testicular functions related to steroidogenesis and spermatogenesis. 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 the DEAD box protein family are believed to be involved in embryogenesis, spermatogenesis, and cellular growth and division. This gene encodes a member of this family. The encoded protein is a gonadotropin-regulated and developmentally expressed testicular RNA helicase. It may serve to maintain testicular functions related to steroidogenesis and spermatogenesis.

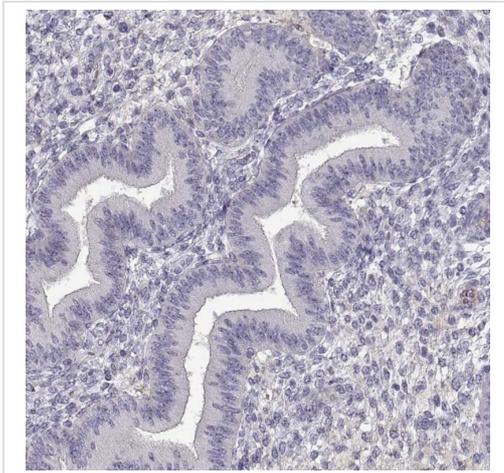
Cellular localization Cytoplasmic

Images



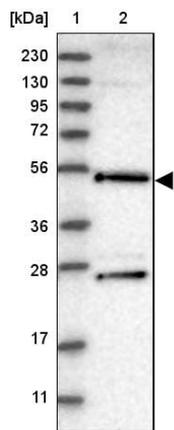
Paraffin-embedded human testis tissue stained for DDX25 using ab254625 at 1/500 dilution in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-DDX25 antibody (ab254625)



Paraffin-embedded human endometrium tissue stained for DDX25 using ab254625 at 1/500 dilution in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-DDX25 antibody (ab254625)



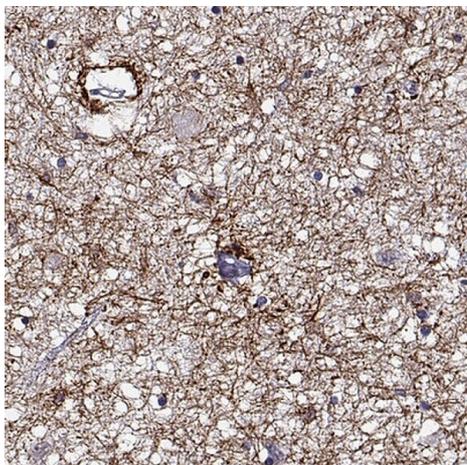
Western blot - Anti-DDX25 antibody (ab254625)

Lane 2 : Anti-DDX25 antibody (ab254625) at 0.4 µg/ml

Lane 1 : DNA Ladder

Lane 2 : RT4 (Human urinary bladder cancer cell line) whole cell lysate

Predicted band size: 35 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-DDX25 antibody (ab254625)

Paraffin-embedded human hypothalamus tissue stained for DDX25 using ab254625 at 1/500 dilution in immunohistochemical analysis.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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