


Product datasheet

Anti-DDX41 antibody [EPR14298] - BSA and Azide free ab250572

Recombinant RabMAb

5 Images

Overview

Product name	Anti-DDX41 antibody [EPR14298] - BSA and Azide free
Description	Rabbit monoclonal [EPR14298] to DDX41 - BSA and Azide free
Host species	Rabbit
Tested applications	Suitable for: ICC/IF, WB, IHC-P
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat 
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
General notes	<p>ab250572 is the carrier-free version of ab182007.</p> <p>Our carrier-free antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.</p> <p>This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.</p> <p>Use our conjugation kits for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.</p> <p>This product is compatible with the Maxpar[®] Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar[®] is a trademark of Fluidigm Canada Inc.</p> <p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none">- High batch-to-batch consistency and reproducibility- Improved sensitivity and specificity- Long-term security of supply- Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C. Do Not Freeze.
Storage buffer	pH: 7.2 Constituent: PBS
Carrier free	Yes
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR14298
Isotype	IgG

Applications

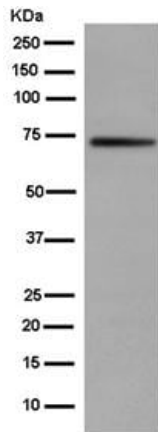
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab250572 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ICC/IF		Use at an assay dependent concentration.
WB		Use at an assay dependent concentration. Predicted molecular weight: 70 kDa.
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval via the pressure cooker method before commencing with IHC staining protocol. For antigen retrieval, we recommend Heat Induced Epitope Retrieval (HIER) by using Decloaking Chamber/Pressure Cooker. Run the heat program for 30 seconds at 125 degree C, then let the slides cool down to room temperature.

Target

Function	Probable ATP-dependent RNA helicase. Is required during post-transcriptional gene expression. May be involved in pre-mRNA splicing.
Sequence similarities	Belongs to the DEAD box helicase family. DDX41 subfamily. Contains 1 CCHC-type zinc finger. Contains 1 helicase ATP-binding domain. Contains 1 helicase C-terminal domain.
Cellular localization	Nucleus.

Images



Western blot - Anti-DDX41 antibody [EPR14298] - BSA and Azide free (ab250572)

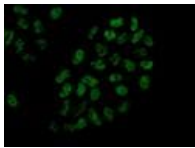
Anti-DDX41 antibody [EPR14298] ([ab182007](#)) at 1/10000 dilution + Jar cell lysate at 20 µg

Secondary

Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

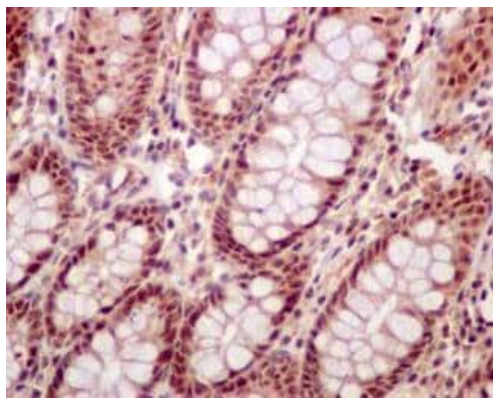
Predicted band size: 70 kDa

This data was developed using [ab182007](#), the same antibody clone in a different buffer formulation.



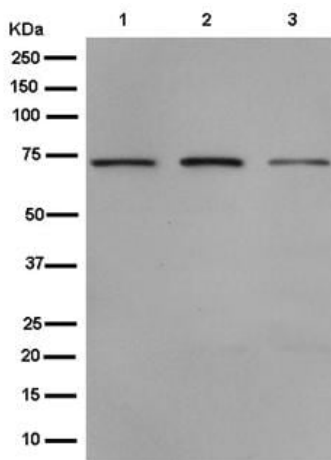
Immunocytochemistry/ Immunofluorescence - Anti-DDX41 antibody [EPR14298] - BSA and Azide free (ab250572)

This data was developed using [ab182007](#), the same antibody clone in a different buffer formulation. Immunofluorescence analysis of HeLa cells (fixative -20? Acetone) labeling DDX41 with [ab182007](#) at a 1/250 dilution. Goat anti rabbit IgG (Dylight 488) secondary used at a 1/200 diution.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-DDX41 antibody [EPR14298] - BSA and Azide free (ab250572)

This data was developed using [ab182007](#), the same antibody clone in a different buffer formulation. Immunohistochemical analysis of paraffin embedded Human colon tissue labeling DDX41 with [ab182007](#) at a 1/50 dilution. Prediluted HRP Polymer for Rabbit IgG secondary used. Counterstained with Hematoxylin. Perform heat mediated antigen retrieval via the pressure cooker method before commencing with IHC staining protocol.



Western blot - Anti-DDX41 antibody [EPR14298] - BSA and Azide free (ab250572)

All lanes : Anti-DDX41 antibody [EPR14298] ([ab182007](#)) at 1/2000 dilution

Lane 1 : HeLa cell lysate

Lane 2 : 293 cell lysate

Lane 3 : Jurkat cell lysate

Lysates/proteins at 20 µg per lane.



Secondary

All lanes : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

Predicted band size: 70 kDa

This data was developed using [ab182007](#), the same antibody clone in a different buffer formulation.

Why choose a recombinant antibody?

 Research with confidence Consistent and reproducible results	 Long-term and scalable supply Recombinant technology
 Success from the first experiment Confirmed specificity	 Ethical standards compliant Animal-free production

Anti-DDX41 antibody [EPR14298] - BSA and Azide free (ab250572)

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

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