

Product datasheet

Anti-DDX6 antibody [EPR12146] - BSA and Azide free ab249788


KO VALIDATED

Recombinant

RabMAb

4 Images

Overview

Product name	Anti-DDX6 antibody [EPR12146] - BSA and Azide free
Description	Rabbit monoclonal [EPR12146] to DDX6 - BSA and Azide free
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P Unsuitable for: Flow Cyt, ICC/IF or IP
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>ab249788 is the carrier-free version of ab174277.</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	Affinity purified
Clonality	Monoclonal
Clone number	EPR12146
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab249788 in the following tested applications.

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

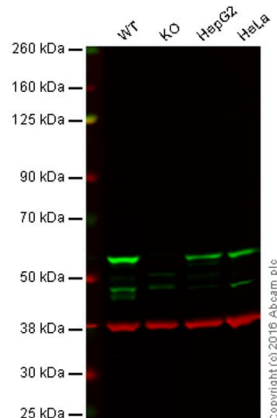
Application	Abreviews	Notes
WB		Use at an assay dependent concentration. Predicted molecular weight: 54 kDa.
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Application notes Is unsuitable for Flow Cyt, ICC/IF or IP.

Target

Relevance	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 this family are believed to be involved in embryogenesis, spermatogenesis and cellular growth and division. In the process of mRNA degradation, DDX6 may play a role in mRNA decapping. It forms a complex with DCP1A, DCP2, EDC3 and EDC4/HEDLS.
Cellular localization	Cytoplasm; P-body. Note: Processing bodies (PB).

Images



Western blot - Anti-DDX6 antibody [EPR12146] - BSA and Azide free (ab249788)

This data was developed using [ab174277](#), the same antibody clone in a different buffer formulation.

Lane 1: Wild-type HAP1 cell lysate (20 µg)

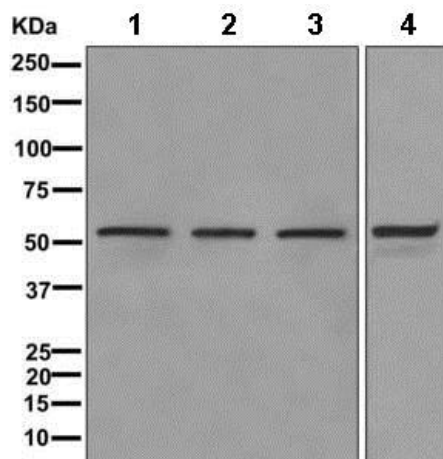
Lane 2: DDX6 knockout HAP1 cell lysate (20 µg)

Lane 3: HepG2 cell lysate (20 µg)

Lane 4: HeLa cell lysate (20 µg)

Lanes 1 - 4: Merged signal (red and green). Green - [ab174277](#) observed at 55 kDa. Red - loading control, [ab8245](#), observed at 37 kDa.

[ab174277](#) was shown to recognize DDX6 when DDX6 knockout samples were used, along with additional cross-reactive bands. Wild-type and DDX6 knockout samples were subjected to SDS-PAGE. [ab174277](#) and [ab8245](#) (loading control to GAPDH) were diluted at 1/500 and 1/10 000 respectively and incubated overnight at 4°C. Blots were developed with Goat anti-Rabbit IgG H&L (IRDye® 800CW) preadsorbed ([ab216773](#)) and Goat anti-Mouse IgG H&L (IRDye® 680RD) preadsorbed ([ab216776](#)) secondary antibodies at 1/10 000 dilution for 1 h at room temperature before imaging.



Western blot - Anti-DDX6 antibody [EPR12146] - BSA and Azide free (ab249788)

All lanes : Anti-DDX6 antibody [EPR12146] ([ab174277](#)) at 1/1000 dilution

Lane 1 : 293T cell lysate

Lane 2 : HepG2 cell lysate

Lane 3 : HeLa cell lysate

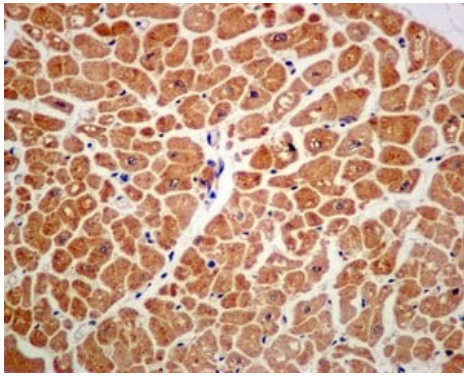
Lane 4 : K562 cell lysate

Lysates/proteins at 10 µg per lane.

Predicted band size: 54 kDa

Additional bands at: 54 kDa. We are unsure as to the identity of these extra bands.

This data was developed using [ab174277](#), the same antibody clone in a different buffer formulation.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-DDX6 antibody [EPR12146] - BSA and Azide free (ab249788)

This data was developed using **ab174277**, the same antibody clone in a different buffer formulation. Immunohistochemical analysis of paraffin embedded Human heart tissue labeling DDX6 with **ab174277** at 1/100. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

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-DDX6 antibody [EPR12146] - BSA and Azide free (ab249788)

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

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