

Product datasheet

Anti-DDX5 antibody [EPR7239] - BSA and Azide free ab240028


KO VALIDATED

Recombinant

RabMAb

7 Images

Overview

Product name	Anti-DDX5 antibody [EPR7239] - BSA and Azide free
Description	Rabbit monoclonal [EPR7239] to DDX5 - BSA and Azide free
Host species	Rabbit
Tested applications	Suitable for: Flow Cyt (Intra), ICC/IF, IHC-P, IP, WB
Species reactivity	Reacts with: Mouse, Human Predicted to work with: Rat 
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	IP: Mouse brain lysate.
General notes	<p>ab240028 is the carrier-free version of ab126730.</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	EPR7239
Isotype	IgG

Applications

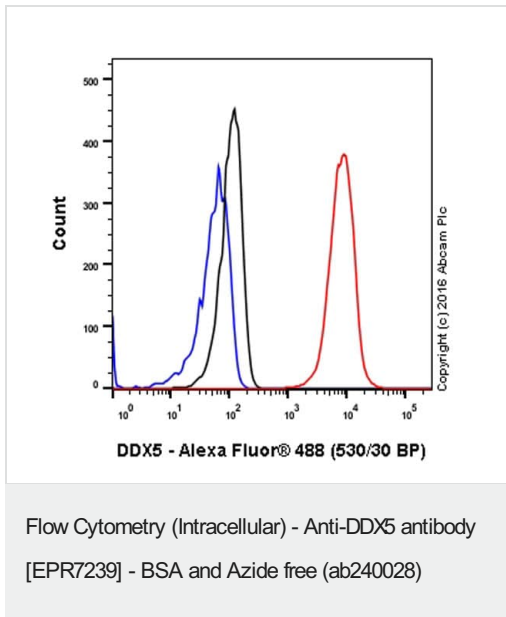
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab240028 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Flow Cyt (Intra)		Use at an assay dependent concentration.
ICC/IF		Use at an assay dependent concentration.
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
IP		Use at an assay dependent concentration.
WB		Use at an assay dependent concentration. Detects a band of approximately 70 kDa (predicted molecular weight: 69 kDa).

Target

Function	RNA-dependent ATPase activity. The rate of ATP hydrolysis is highly stimulated by single-stranded RNA. May be involved in pre-mRNA splicing.
Sequence similarities	Belongs to the DEAD box helicase family. DDX5/DBP2 subfamily. Contains 1 helicase ATP-binding domain. Contains 1 helicase C-terminal domain.
Post-translational modifications	Arg-502 is dimethylated, probably to asymmetric dimethylarginine.
Cellular localization	Nucleus > nucleolus.

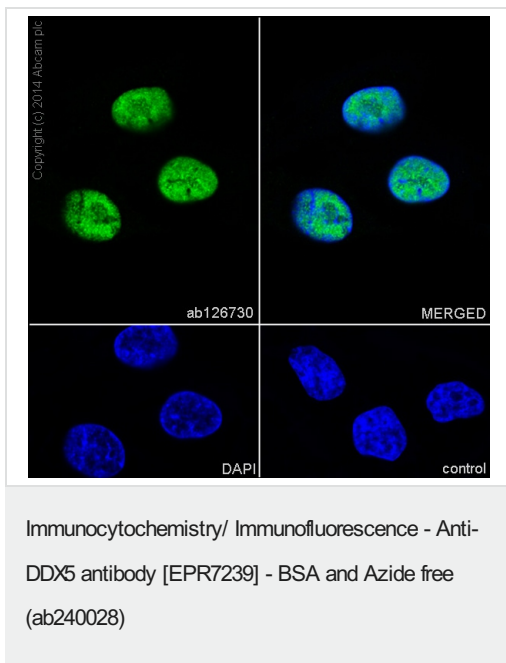
Images



ab126730 staining DDX5 in the human cell line HeLa (Human cervix adenocarcinoma epithelial cell) by intracellular flow cytometry. Cells were fixed with 4% paraformaldehyde, permeabilised with 90% methanol and the sample was incubated with the primary antibody at a dilution of 1/200. A goat anti rabbit IgG (Alexa Fluor® 488) at a dilution of 1/2000 was used as the secondary antibody.

Isotype control: Rabbit monoclonal IgG (Black) Unlabelled control: Cell without incubation with primary antibody and secondary antibody (Blue).

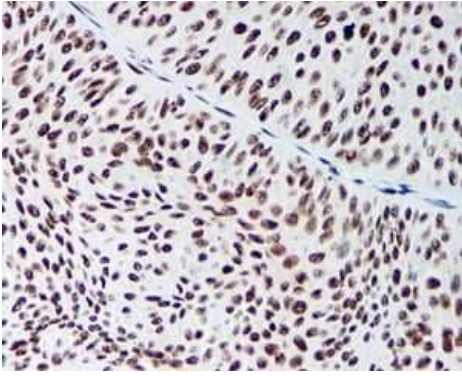
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab126730**).



Immunocytochemistry/Immunofluorescence analysis of SH-SY5Y (human neuroblastoma) cells labelling DDX5 (green) with purified **ab126730** at 1/250. Cells were fixed with 4% Paraformaldehyde and permeabilized with 0.1% Triton X-100. **ab150077**, Alexa Fluor® 488-conjugated goat anti-rabbit IgG (1/1000) was used as the secondary antibody. DAPI (blue) was used as a nuclear counterstain.

Secondary Only Control: PBS was used instead of the primary antibody as the negative control.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab126730**).

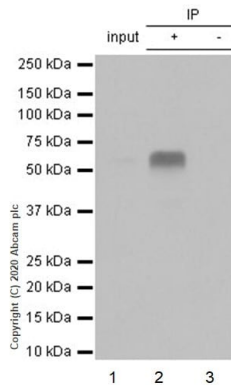


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-DDX5 antibody
[EPR7239] - BSA and Azide free (ab240028)

ab126730, at a dilution of 1/250, staining DDX5 in paraffin-embedded Human bladder carcinoma tissue by Immunohistochemistry.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab126730**).

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunoprecipitation - Anti-DDX5 antibody
[EPR7239] - BSA and Azide free (ab240028)

Purified **ab126730** at 1/20 dilution (1µg) immunoprecipitating DDX5 in Mouse brain lysate.

Lane 1 (input): Mouse brain lysate 10µg

Lane 2 (+): **ab126730** + Mouse brain lysate.

Lane 3 (-): Rabbit monoclonal IgG (**ab172730**) instead of **ab126730** in Mouse brain lysate.

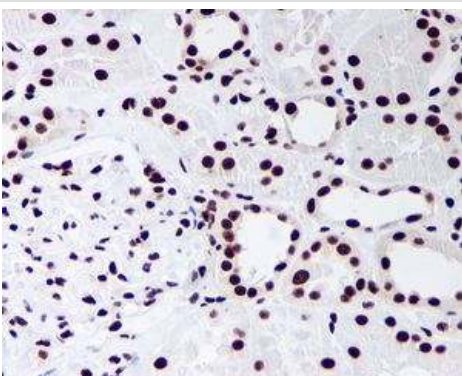
VeriBlot for IP Detection Reagent (HRP)(**ab131366**) (1/20,000 dilution) was used for Western blotting.

Blocking Buffer and concentration: 5% NFDm/TBST.

Diluting buffer and concentration: 5% NFDm/TBST.

Observed band size: 69 kDa

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab126730**).

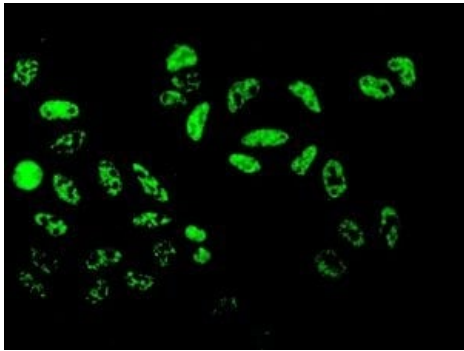


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-DDX5 antibody
[EPR7239] - BSA and Azide free (ab240028)

ab126730, at a dilution of 1/250, staining DDX5 in paraffin-embedded Human kidney tissue by Immunohistochemistry.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab126730**).

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunocytochemistry/ Immunofluorescence - Anti-DDX5 antibody [EPR7239] - BSA and Azide free (ab240028)

ab126730, at a dilution of 1/100, staining DDX5 in HeLa cells by Immunofluorescence.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab126730**).

Why choose a recombinant antibody?



Anti-DDX5 antibody [EPR7239] - BSA and Azide free (ab240028)

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

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