

Anti-DDX17 antibody [EPR13807(B)] ab180190

敲除验证 重组 RabMAb

3 References 9 图像

概述

产品名称	Anti-DDX17抗体[EPR13807(B)]
描述	兔单克隆抗体[EPR13807(B)] to DDX17
宿主	Rabbit
经测试应用	适用于: Flow Cyt (Intra), ICC/IF, IHC-P, WB 不适用于: IP
种属反应性	与反应: Mouse, Rat, Human
免疫原	Synthetic peptide within Human DDX17 aa 100-200 (Cysteine residue). The exact sequence is proprietary. Database link: Q92841
阳性对照	WB: HEK 293, NIH/3T3, RAW 264.7, C2C12 and HeLa whole cell lysate. Mouse embryo lysate.
常规说明	This product is a recombinant monoclonal antibody, which offers several advantages including: - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information see here . Our RabMAb [®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents .

性能

形式	Liquid
存放说明	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.
存储溶液	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
纯度	Protein A purified
克隆	单克隆
克隆编号	EPR13807(B)

同种型

IgG

应用

The Abpromise guarantee

Abpromise™承诺保证使用ab180190于以下的经测试应用

“应用说明”部分下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
Flow Cyt (Intra)		1/20. ab172730 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
ICC/IF		1/50.
IHC-P		1/5000. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol. Antigen retrieval is recommended.
WB		1/1000. Predicted molecular weight: 72 kDa.

应用说明

Is unsuitable for IP.

靶标

功能

RNA-dependent ATPase activity.

组织特异性

Ubiquitous.

序列相似性

Belongs to the DEAD box helicase family. DDX5/DBP2 subfamily.

Contains 1 helicase ATP-binding domain.

Contains 1 helicase C-terminal domain.

翻译后修饰

Phosphorylated upon DNA damage, probably by ATM or ATR.

细胞定位

Nucleus.

图片



Western blot - Anti-DDX17 antibody [EPR13807(B)] - C-terminal (ab180190)

All lanes : Anti-DDX17 antibody [EPR13807(B)] (ab180190) at 1/1000 dilution (Purified)

Lane 1 : HEK-293 (Human embryonic kidney epithelial cell) whole cell lysate

Lane 2 : MCF7 (Human breast adenocarcinoma epithelial cell) whole cell lysate

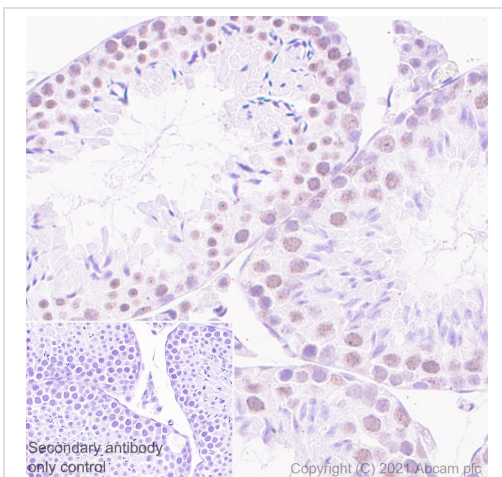
Lane 3 : Rat brain lysate

Lane 4 : Rat testis lysate

Secondary

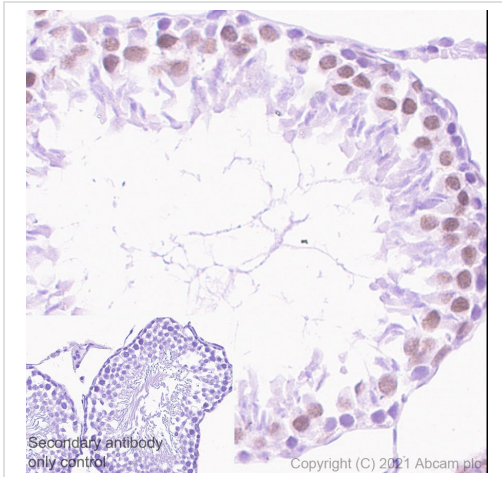
All lanes : Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/20000 dilution

Predicted band size: 72 kDa



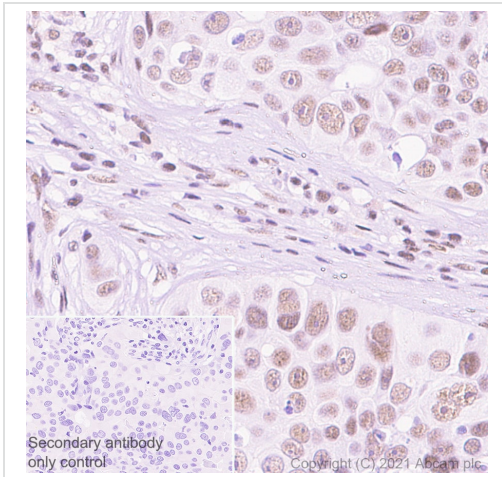
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-DDX17 antibody [EPR13807(B)] - C-terminal (ab180190)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of mouse testis tissue sections labeling DDX17 with Purified ab180190 at 1:5000 dilution (0.02 $\mu\text{g/ml}$). Heat mediated antigen retrieval was performed using . Tissue was counterstained with Hematoxylin. Perform heat mediated antigen retrieval using [ab93684](#) (Tris/EDTA buffer, pH 9.0) secondary antibody was used at 1:0 dilution. PBS instead of the primary antibody was used as the negative control.



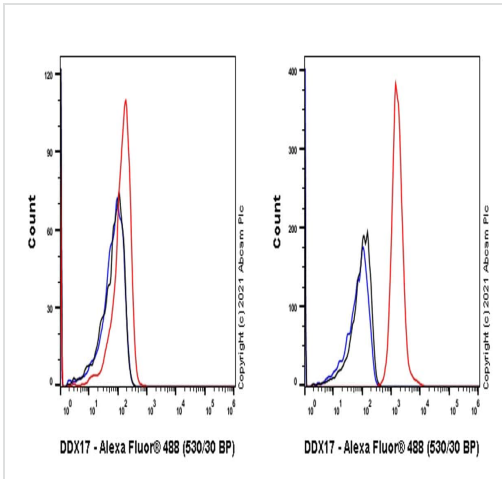
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-DDX17 antibody [EPR13807(B)] - C-terminal (ab180190)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of rat testis tissue sections labeling DDX17 with Purified ab180190 at 1:5000 dilution (0.02 µg/ml). Heat mediated antigen retrieval was performed using . Tissue was counterstained with Hematoxylin. Perform heat mediated antigen retrieval using **ab93684** (Tris/EDTA buffer, pH 9.0) secondary antibody was used at 1:0 dilution. PBS instead of the primary antibody was used as the negative control.



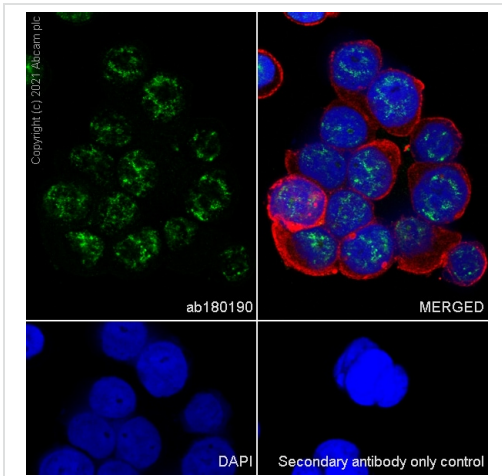
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-DDX17 antibody [EPR13807(B)] - C-terminal (ab180190)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human breast carcinoma tissue sections labeling DDX17 with Purified ab180190 at 1:5000 dilution (0.02 µg/ml). Heat mediated antigen retrieval was performed using . Tissue was counterstained with Hematoxylin. Perform heat mediated antigen retrieval using **ab93684** (Tris/EDTA buffer, pH 9.0) secondary antibody was used at 1:0 dilution. PBS instead of the primary antibody was used as the negative control.



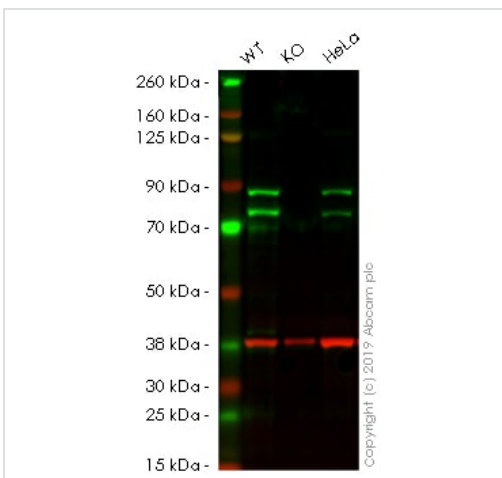
Flow Cytometry (Intracellular) - Anti-DDX17 antibody [EPR13807(B)] (ab180190)

Flow Cytometry analysis of J774A.1 (Mouse reticulum cell sarcoma monocyte macrophage, Left) / NIH/3T3 (Mouse embryonic fibroblast, Right) cells labelling DDX17 with Purified ab180190 at 1:20 dilution (10 µg/ml) (Red). Cells were fixed with 4% Paraformaldehyde and permeabilised with 90% Methanol. A Goat anti rabbit IgG (Alexa Fluor® 488, **ab150077**) secondary antibody was used at 1:2000. Isotype control - Rabbit monoclonal IgG (Black). Unlabelled control - Cell without incubation with primary antibody and secondary antibody (Blue).



Immunocytochemistry/ Immunofluorescence - Anti-DDX17 antibody [EPR13807(B)] - C-terminal (ab180190)

Immunocytochemistry analysis of MCF7 (Human breast adenocarcinoma epithelial cell) cells labeling DDX17 with Purified ab180190 at 1:50 dilution (2 µg/ml). Cells were fixed in 100% Methanol and permeabilized with 0.1% tritonX-100. Cells were counterstained with Ab195889 Anti-alpha Tubulin antibody [DM1A] - Microtubule Marker (Alexa Fluor® 594) 1:200 (2.5 µg/ml). Goat anti rabbit IgG (Alexa Fluor® 488, **ab150077**) was used as the secondary antibody at 1:1000 (2 µg/ml) dilution. DAPI (blue) was used as nuclear counterstain. PBS instead of the primary antibody was used as the secondary antibody only control.



Western blot - Anti-DDX17 antibody [EPR13807(B)] (ab180190)

All lanes : Anti-DDX17 antibody [EPR13807(B)] (ab180190) at 1/5000 dilution

Lane 1 : Wild-type HEK-293 (Human epithelial cell line from embryonic kidney) whole cell lysate

Lane 2 : DDX17 knockout HEK-293 (Human epithelial cell line from embryonic kidney) whole cell lysate

Lane 3 : HeLa (Human epithelial cell line from cervix adenocarcinoma) whole cell lysate

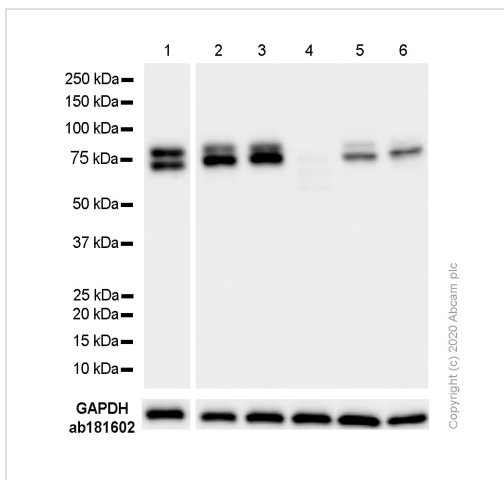
Lysates/proteins at 20 µg per lane.

Performed under reducing conditions.

Predicted band size: 72 kDa

Lanes 1 - 4: Merged signal (red and green). Green - ab180190 observed at 72 kDa. Red - loading control, **ab8245**, observed at 37 kDa.

ab180190 was shown to recognize DDX17 in wild-type HEK 293 cells as signal was lost at the expected MW in DDX17 knockout cells. Additional cross-reactive bands were observed in the wild-type and knockout cells. Wild-type and DDX17 knockout samples were subjected to SDS-PAGE. The membrane was blocked with 3% Milk. Ab180190 and ab8245 (Mouse anti-GAPDH loading control) were incubated overnight at 4°C at 1/5000 dilution and 1/20000 dilution respectively. Blots were developed with Goat anti-Rabbit IgG H&L (IRDye® 800CW) preabsorbed **ab216773** and Goat anti-Mouse IgG H&L (IRDye® 680RD) preabsorbed **ab216776** secondary antibodies at 1/20000 dilution for 1 hour at room temperature before imaging.



Western blot - Anti-DDX17 antibody [EPR13807(B)] - C-terminal (ab180190)

All lanes : Anti-DDX17 antibody [EPR13807(B)] (ab180190) at 1/1000 dilution

Lane 1 : HeLa (Human colorectal adenocarcinoma epithelial cell) cell lysate

Lane 2 : Mouse embryo lysate

Lane 3 : NIH/3T3 (Mouse embryonic fibroblast) cell lysate

Lane 4 : J774A.1 (Mouse reticulum cell sarcoma monocyte macrophage) cell lysate

Lane 5 : RAW264.7 (Mouse Abelson murine leukemia virus-induced tumor macrophage) cell lysate

Lane 6 : C2C12 (Mouse myoblasts myoblast) cell lysate

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/20000 dilution

Predicted band size: 72 kDa

Observed band size: 72 kDa

Blocking and diluting buffer and concentration: 5% NFD/MTBST

Exposure time: 6 s

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-DDX17 antibody [EPR13807(B)] - C-terminal (ab180190)

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