

Anti-D Box Binding Protein antibody [EPR22370-51] ab222112

重组 RabMAb

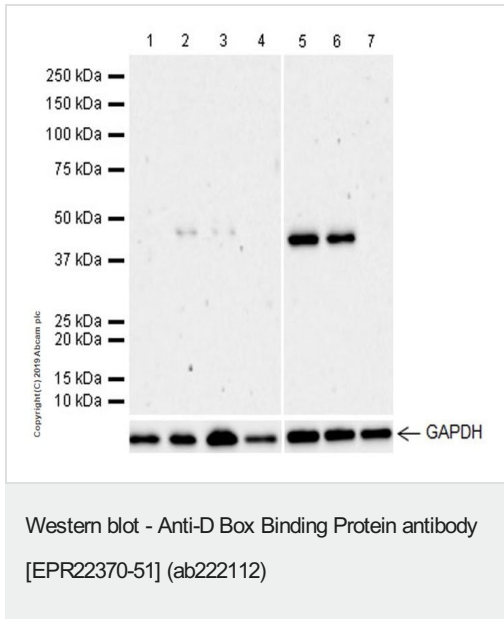
★★★★☆ **4 Abreviews** 6 图像

概述

产品名称	Anti-D Box Binding蛋白抗体[EPR22370-51]
描述	兔单克隆抗体[EPR22370-51] to D Box Binding蛋白
宿主	Rabbit
经测试应用	适用于: Flow Cyt (Intra), WB, ICC/IF, IP 不适用于: IHC-P
种属反应性	与反应: Human
免疫原	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
阳性对照	WB: Human hypothalamus and brain lysates; HEK-293T transfected with D Box Binding Protein with a C-terminal myc-His tag. ICC/IF: 293T cells. Flow Cyt (intra): HEK-293T (transfected with myc-his tagged D Box Binding Protein expression vector) cells. IP: HEK-293T (transfected with myc-His tagged D Box Binding Protein expression vector) cell lysate.
常规说明	This product is a recombinant monoclonal antibody, which offers several advantages including: <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 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: 7.2 Preservative: 0.01% Sodium azide Constituents: PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
纯度	Protein A purified
克隆	单克隆



All lanes : Anti-D Box Binding Protein antibody [EPR22370-51] (ab222112) at 1/1000 dilution

Lane 1 : HepG2 (human hepatocellular carcinoma epithelial cell) whole cell lysate

Lane 2 : HEK-293T (human embryonic kidney epithelial cell) whole cell lysate

Lane 3 : HeLa (human cervix adenocarcinoma epithelial cell) whole cell lysate

Lane 4 : Human liver lysate

Lane 5 : Human hypothalamus lysate

Lane 6 : Human brain lysate

Lane 7 : Human testis lysate

Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/100000 dilution

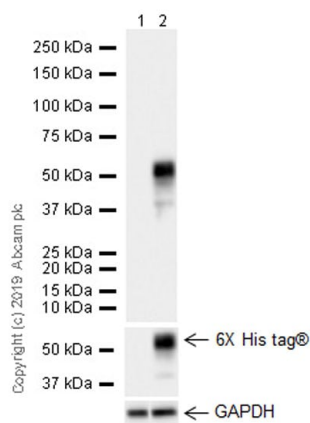
Predicted band size: 34 kDa

Observed band size: 45 kDa

Blocking and diluting buffer and concentration: 5% NFDm/TBST.

The DBP protein is ubiquitously expressed but mainly at suprachiasmatic nuclei in the hypothalamus or liver, and fine-tuned by circadian clock. The antibody detects a band around the reported molecular weight of DBP in human hypothalamus and brain tissue lysates. Negative control: testis (PMID: 2331750)

Exposure time: 3 minutes.



Western blot - Anti-D Box Binding Protein antibody [EPR22370-51] (ab222112)

All lanes : Anti-D Box Binding Protein antibody [EPR22370-51] (ab222112) at 1/1000 dilution

Lane 1 : HEK-293T (human embryonic kidney) transfected with an empty vector (vector control), containing a myc-His-tag®, whole cell lysate

Lane 2 : HEK-293T transfected with D Box Binding Protein (WT) expression vector containing a myc-His-tag®, whole cell lysate

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/100000 dilution

Predicted band size: 34 kDa

Observed band size: 52 kDa

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

Exposure time: 6 seconds.



Immunoprecipitation - Anti-D Box Binding Protein antibody [EPR22370-51] (ab222112)

D Box Binding Protein was immunoprecipitated from 0.35 mg HEK-293T (Human embryonic kidney epithelial cell) transfected with myc-His tagged D Box Binding Protein expression vector, whole cell lysate, with ab222112 at 1/30 dilution (2µg in 0.35mg lysates). Western blot was performed on the immunoprecipitate using ab222112 at 1/1000 dilution. VeriBlot for IP Detection Reagent (HRP) ([ab131366](#)) was used at 1/5000 dilution.

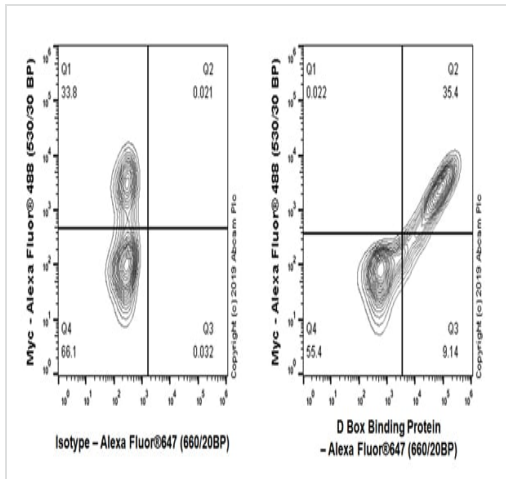
Lane 1: HEK-293T (Human embryonic kidney epithelial cell) transfected with myc-His tagged D Box Binding Protein expression vector whole cell lysate 10µg.

Lane 2: ab222112 IP in HEK-293T transfected with myc-His tagged D Box Binding Protein expression vector whole cell lysate.

Lane 3: Rabbit monoclonal IgG ([ab172730](#)) instead of ab222112 in HEK-293T transfected with myc-His tagged D Box Binding Protein expression vector whole cell lysate.

Blocking and dilution buffer and concentration: 5% NFD/MTBST.

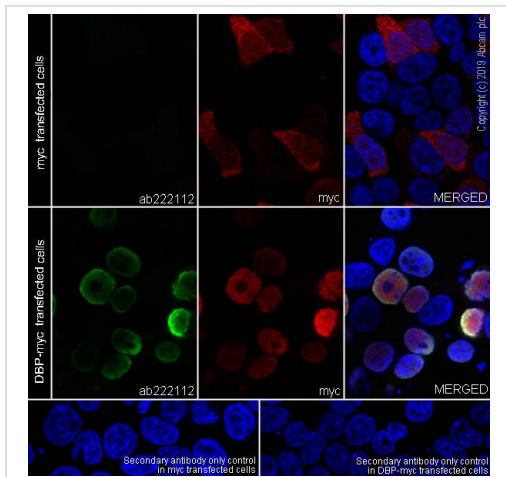
Exposure time: 5 seconds.



Flow Cytometry (Intracellular) - Anti-D Box Binding Protein antibody [EPR22370-51] (ab222112)

Intracellular flow cytometric analysis of 4% paraformaldehyde fixed, 90% methanol permeabilized HEK-293T (Human embryonic kidney epithelial cell) (transfected with myc-his tagged D Box Binding Protein expression vector) cells labelling D Box Binding Protein with ab222112 at 1/600 dilution (Right) compared with a Rabbit monoclonal IgG (**ab172730**) isotype control (Left). Secondary antibody is Goat anti rabbit IgG (Alexa Fluor® 647, **ab150079**) at 1/2000 dilution.

Cells were stained with rabbit IgG (Left) or ab222112 (Right). Then stained with anti-myc tag conjugated to Alexa Fluor® 488.



Immunocytochemistry/ Immunofluorescence - Anti-D Box Binding Protein antibody [EPR22370-51] (ab222112)

Immunofluorescent analysis of 4% Paraformaldehyde-fixed, 0.1% TritonX-100 permeabilized HEK-293T (human embryonic kidney epithelial cell) cells labelling D Box Binding Protein with ab222112 at 1/100 dilution, followed by **ab150077** AlexaFluor®488 Goat anti-Rabbit secondary antibody at 1/1000 dilution (Green). Confocal image showing nuclear staining in HEK-293T cells transfected with myc-tagged D Box Binding Protein expression vector. **ab195889** Anti-alpha Tubulin antibody [DM1A] - Microtubule Marker (Alexa Fluor® 594) was used to counterstain tubulin at 1/200 dilution (Red). The Nuclear counterstain was DAPI (Blue).

Secondary antibody only control: Secondary antibody is **ab150077** AlexaFluor®488 Goat anti-Rabbit secondary at 1/1000 dilution.

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-D Box Binding Protein antibody [EPR22370-51]
(ab222112)

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

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.cn/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors