

# [KO Validated] FDX1/ADX Rabbit mAb

Catalog No.: A28818

**KO** Validated

Recombinant

## Basic Information

### Observed MW

14 kDa

### Calculated MW

20 kDa

### Category

Primary antibody

### Applications

WB,IP,IF/ICC,IF-F,IHC-P,ELISA

### Cross-Reactivity

Mouse, Rat

### CloneNo number

ARC81587

## Background

Ferredoxins are iron-sulfur proteins that facilitate monooxygenase reactions catalyzed by P450 enzymes. The protein encoded by this gene is present in the mitochondrial matrix and transfers electrons from ferredoxin reductase to steroidogenic mitochondrial cytochrome P450 proteins. Alternative splicing results in multiple transcript variants encoding different isoforms.

## Recommended Dilutions

**WB** 1:2000 - 1:15000**IP** 0.5 µg - 4 µg antibody for  
400 µg - 600 µg extracts  
of whole cells**IF/ICC** 1:200 - 1:800**IF-F** 1:200 - 1:800**IHC-P** 1:3000 - 1:12000**ELISA** Recommended starting  
concentration is 1 µg/mL.  
Please optimize the  
concentration based on  
your specific assay  
requirements. For high-  
ratio antibody dilutions  
(≥1:10000) a sequential  
dilution method is  
strongly recommended  
to ensure measurement  
accuracy.

## Immunogen Information

### Gene ID

14148

### Swiss Prot

P46656

### Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

### Synonyms

FDX1; ADX; FDX; LOH11CR1D; ferredoxin 1

## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

Affinity purification

### Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.09% Sodium azide, 0.05% BSA, 50% glycerol, pH7.3.

Contact

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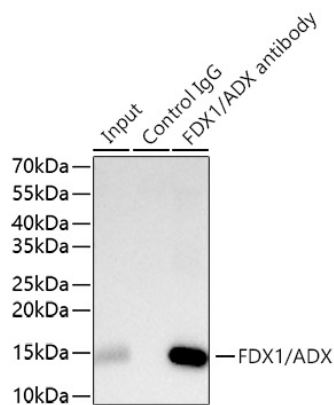
☎ | 400-999-6126

✉ | [cn.market@abclonal.com.cn](mailto:cn.market@abclonal.com.cn)

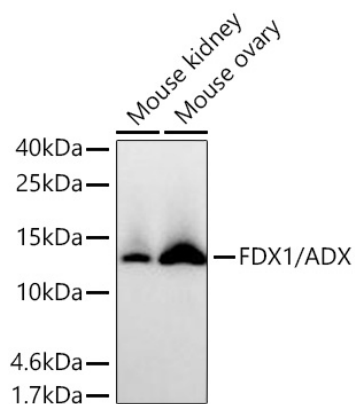
🌐 | [www.abclonal.com.cn](http://www.abclonal.com.cn)

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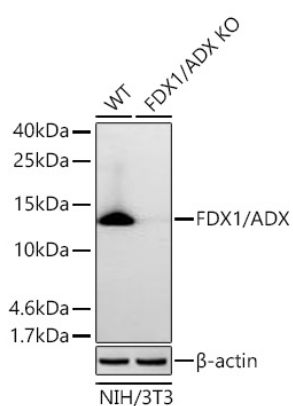
## Validation Data



Immunoprecipitation of FDX1/ADX from 600 µg extracts of Mouse ovary tissue was performed using 2 µg of [KO Validated] FDX1/ADX Rabbit mAb (A28818). Rabbit Control IgG (AC005) was used to precipitate the Control IgG sample. IP samples were eluted with 1x Laemmli Buffer. The Input lane represents 10% of the total input. Western blot analysis of immunoprecipitates was conducted using [KO Validated] FDX1/ADX Rabbit mAb (A28818) at a dilution of 1:10000.

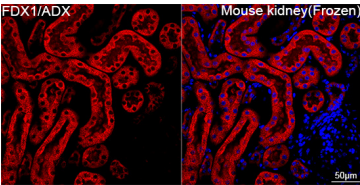


Western blot analysis of various lysates using [KO Validated] FDX1/ADX Rabbit mAb (A28818) at 1:5000 dilution incubated overnight at 4°C.  
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25 µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 5 s.

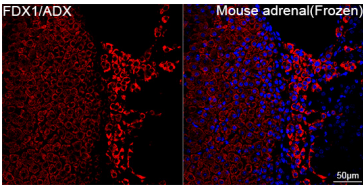


Western blot analysis of lysates from wild type (WT) and FDX1/ADX knockout (KO) NIH/3T3 cells using [KO Validated] FDX1/ADX Rabbit mAb (A28818) at 1:5000 dilution incubated overnight at 4°C.  
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25 µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 60 s.

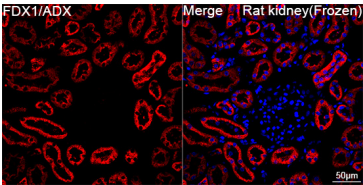
Validation Data



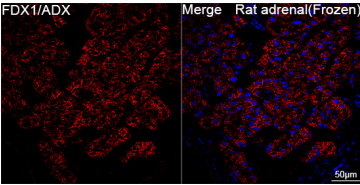
Confocal imaging of frozen sections of Mouse kidney tissue using [KO Validated] FDX1/ADX Rabbit mAb (A28818, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Microwave antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.



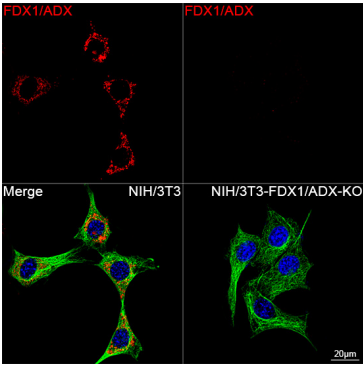
Confocal imaging of frozen sections of Mouse adrenal tissue using [KO Validated] FDX1/ADX Rabbit mAb (A28818, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Microwave antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.



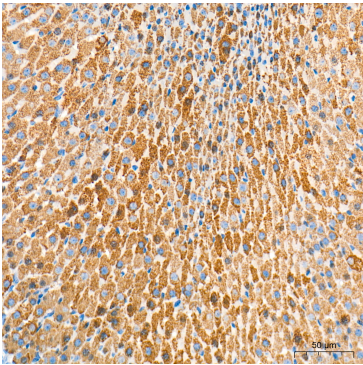
Confocal imaging of frozen sections of Rat kidney tissue using [KO Validated] FDX1/ADX Rabbit mAb (A28818, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Microwave antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.



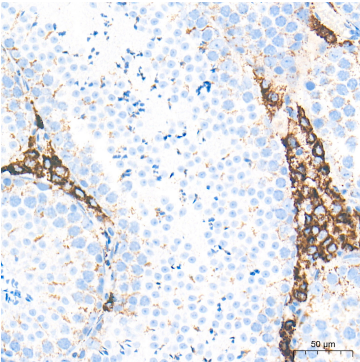
Confocal imaging of frozen sections of Rat adrenal tissue using [KO Validated] FDX1/ADX Rabbit mAb (A28818, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Microwave antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.



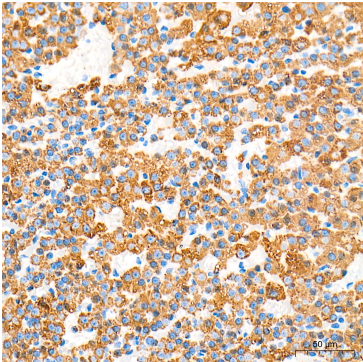
Confocal imaging of NIH/3T3 cells and FDX1/ADX knockout (KO) NIH/3T3 cells using [KO Validated] FDX1/ADX Rabbit mAb (A28818, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). The cells were counterstained with α-Tubulin Mouse mAb (AC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) Ab (AS076, dilution 1:500) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.



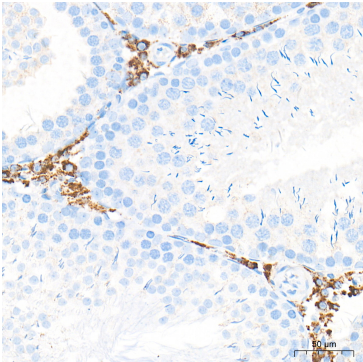
Immunohistochemistry analysis of paraffin-embedded Mouse adrenal gland tissue using [KO Validated] FDX1/ADX Rabbit mAb (A28818) at a dilution of 1:5000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-



Immunohistochemistry analysis of paraffin-



Immunohistochemistry analysis of paraffin-

## Validation Data

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| embedded Mouse testis tissue using [KO Validated] FDX1/ADX Rabbit mAb (A28818) at a dilution of 1:5000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining. | embedded Rat adrenal gland tissue using [KO Validated] FDX1/ADX Rabbit mAb (A28818) at a dilution of 1:5000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining. | embedded Rat testis tissue using [KO Validated] FDX1/ADX Rabbit mAb (A28818) at a dilution of 1:5000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining. |
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