

[KD Validated] COX IV Polyclonal Antibody

CAB22871

Description

This [KD Validated] COX IV Polyclonal Antibody is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

Product Information

SKU:	CAB22871
Contents:	20 µL, 100 µL Bradford Reagent: 1 vial (2ml)
Category:	Polyclonal Antibody
Synonyms:	COX4, COXIV, COX4-1, COXIV-1, MC4DN16, COX IV-1, [KD Validated] COX IV
Clone:	-
Applications:	WB IHC-P IF/ICC ELISA
Conjugation:	Unconjugated
Reactivity:	Human, Mouse, Rat

Antibody Data

Gene ID:	1327
Uniprot:	-
Host Species:	Rabbit
Purification:	Affinity purification
Observed MW:	17kDa
Calculated MW:	20kDa

Preparation & Storage

Storage: Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS containing 50% glycerol, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

Store Bradford Reagent at Room Temperature for 1 Year.

Positive Sample: 293T, HepG2, Mouse heart, Rat heart

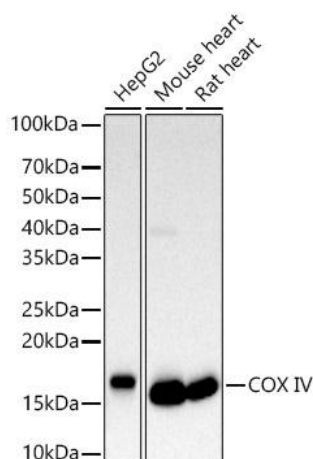
Recommended Dilutions:

WB	1:500 - 1:1000
IHC-P	1:50 - 1:200
IF/ICC	1:50 - 1:200
ELISA	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

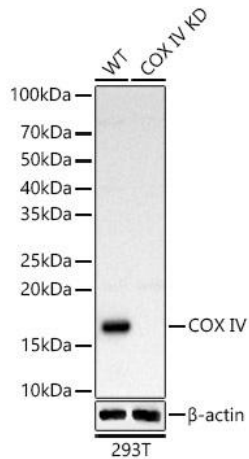
Protein Quantification (Optional):

To quantify total protein levels, use the Bradford Reagent included in this kit. Visit <https://www.assaygenie.com/bradford-protein-assay-protocol/> to view the full protocol

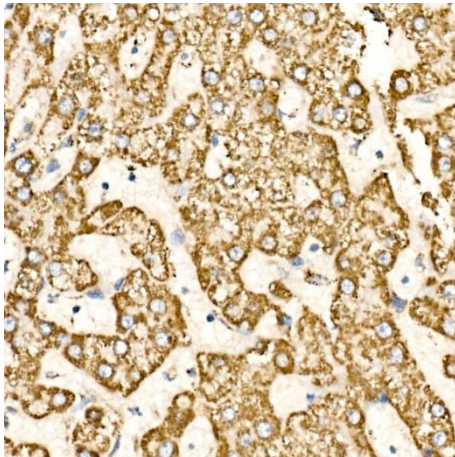
Validation Data



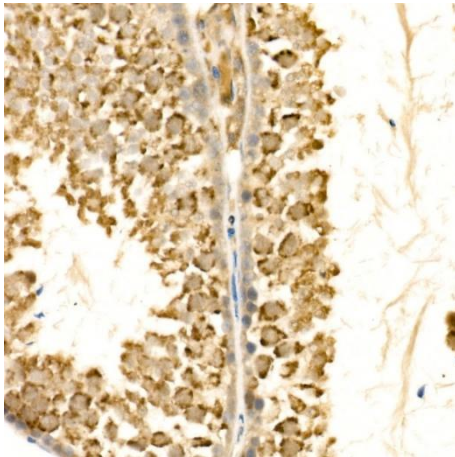
Western blot analysis of various lysates, using [KD Validated] COX IV Rabbit pAb (CAB22871) at 1:500 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (AbGn00020). Exposure time: 10s.



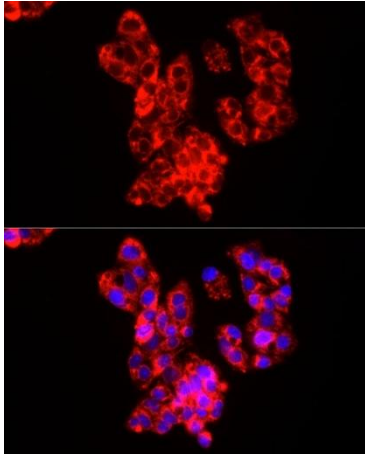
Western blot analysis of lysates from wild type (WT) and COX IV knockdown (KD) 293T cells, using [KD Validated] COX IV Rabbit pAb (CAB22871) at 1:500 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (AbGn00020). Exposure time: 10s.



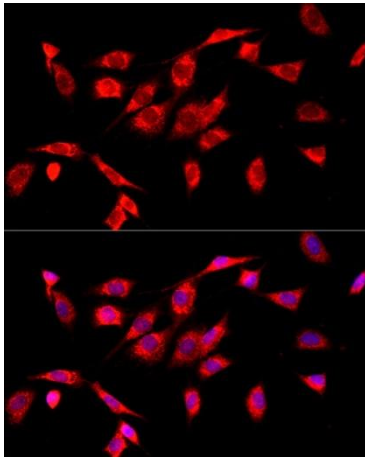
Immunohistochemistry analysis of paraffin-embedded Human liver using [KD Validated] COX IV Rabbit pAb (CAB22871) at dilution of 1:100 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse testis using [KD Validated] COX IV Rabbit pAb (CAB22871) at dilution of 1:100 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



Immunofluorescence analysis of HepG2 cells using [KD Validated] COX IV Rabbit pAb (CAB22871) at dilution of 1:50 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (CABS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of NIH/3T3 cells using [KD Validated] COX IV Rabbit pAb (CAB22871) at dilution of 1:50 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (CABS007) at 1:500 dilution. Blue: DAPI for nuclear staining.