

# Product Datasheet

## MT-CO2 Antibody - BSA Free

### NBP2-37945

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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**NBP2-37945**

MT-CO2 Antibody - BSA Free

**Product Information**

<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.02% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Immunogen affinity purified
<b>Buffer</b>	PBS (pH 7.2) and 40% Glycerol

**Product Description**

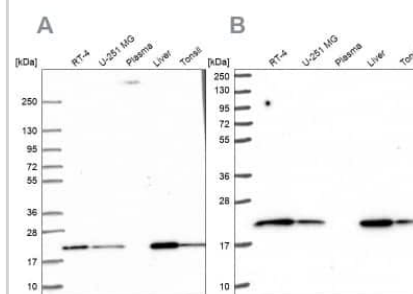
<b>Host</b>	Rabbit
<b>Gene ID</b>	4513
<b>Gene Symbol</b>	COX2
<b>Species</b>	Human
<b>Immunogen</b>	This antibody was developed against a recombinant protein corresponding to amino acids: YEYTDYGGLIFNSYILPPLFLEPGDLRLLDVDNRVVLPIEAPIRIIITS

**Product Application Details**

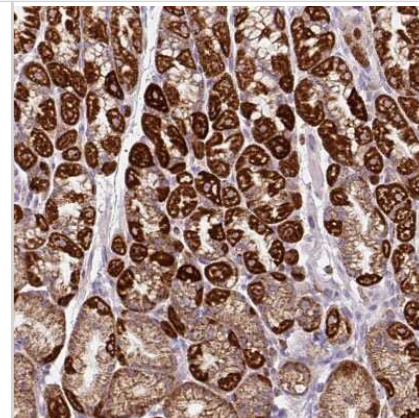
<b>Applications</b>	Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:20 - 1:50, Immunohistochemistry-Paraffin 1:20 - 1:50
<b>Application Notes</b>	For IHC-Paraffin, HIER pH 6 retrieval is recommended.

**Images**

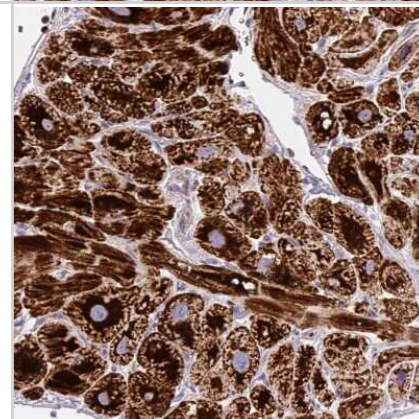
Western Blot: MT-CO2 Antibody [NBP2-37945] - Analysis using Anti-MT-CO2 antibody NBP2-37945 (A) shows similar pattern to independent antibody NBP2-37930 (B).



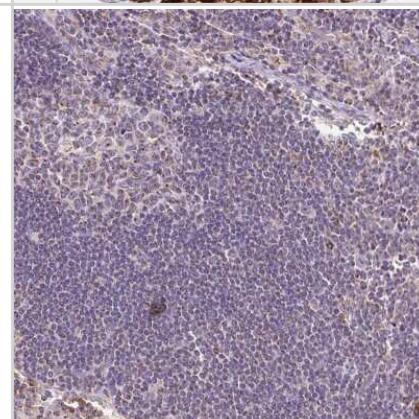
Immunohistochemistry-Paraffin: MT-CO2 Antibody [NBP2-37945] - Staining of human stomach shows strong granular cytoplasmic positivity in parietal cells.



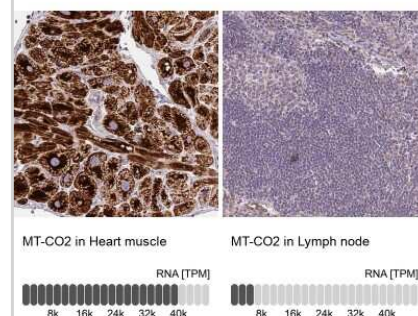
Immunohistochemistry-Paraffin: MT-CO2 Antibody [NBP2-37945] - Staining of human heart muscle shows high expression.



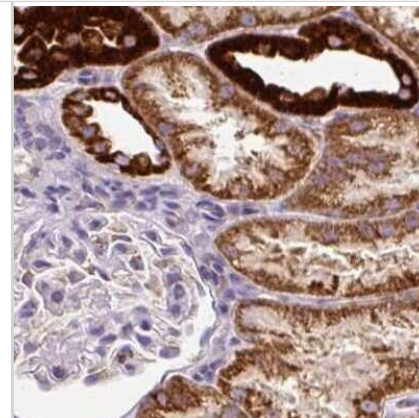
Immunohistochemistry-Paraffin: MT-CO2 Antibody [NBP2-37945] - Staining of human lymph node shows low expression as expected.



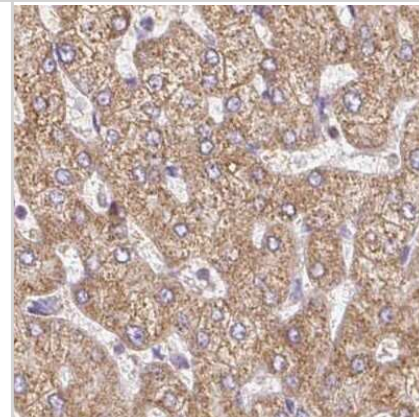
Immunohistochemistry-Paraffin: MT-CO2 Antibody [NBP2-37945] - Staining in human heart muscle and lymph node tissues using anti-MT-CO2 antibody. Corresponding MT-CO2 RNA-seq data are presented for the same tissues.



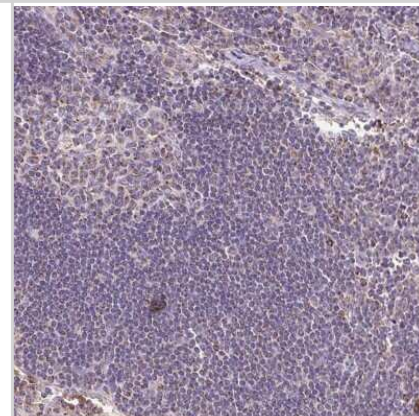
Immunohistochemistry-Paraffin: MT-CO2 Antibody [NBP2-37945] - Staining of human kidney.



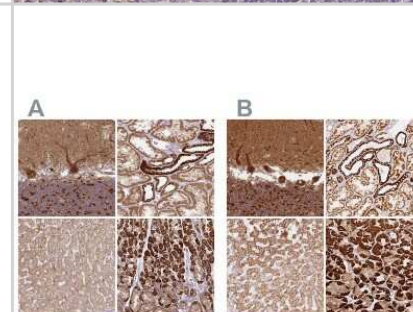
Immunohistochemistry-Paraffin: MT-CO2 Antibody [NBP2-37945] - Staining of human liver.



Immunohistochemistry-Paraffin: MT-CO2 Antibody [NBP2-37945] - Staining of human lymph node shows low expression as expected.

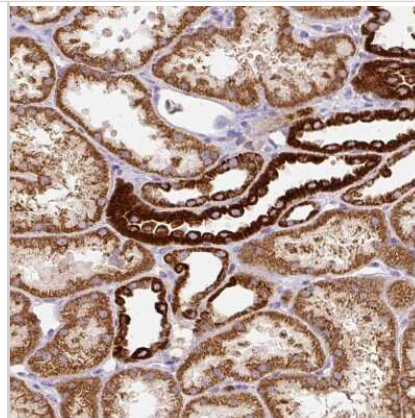


Immunohistochemistry-Paraffin: MT-CO2 Antibody [NBP2-37945] - Staining of human cerebellum, kidney, liver and stomach using Anti-MT-CO2 antibody NBP2-37945 (A) shows similar protein distribution across tissues to independent antibody NBP2-37930 (B).

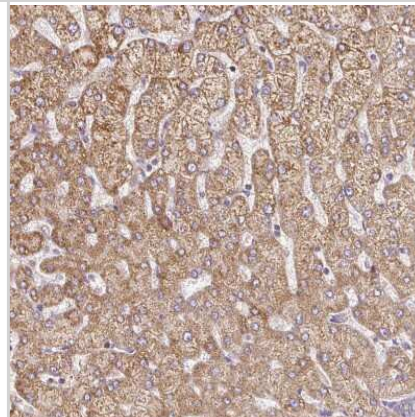




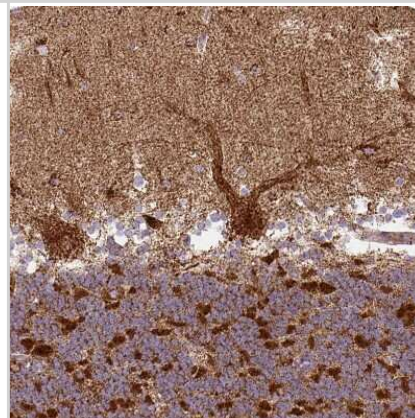
Immunohistochemistry-Paraffin: MT-CO2 Antibody [NBP2-37945] - Staining of human kidney shows moderate to strong granular cytoplasmic positivity in cells in tubules.



Immunohistochemistry-Paraffin: MT-CO2 Antibody [NBP2-37945] - Staining of human liver shows moderate granular cytoplasmic positivity in hepatocytes.



Immunohistochemistry-Paraffin: MT-CO2 Antibody [NBP2-37945] - Staining of human cerebellum shows strong granular cytoplasmic positivity in Purkinje cells.





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### **Products Related to NBP2-37945**

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NBP2-37945PEP	MT-CO2 Recombinant Protein Antigen
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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