

Product datasheet for TA378731

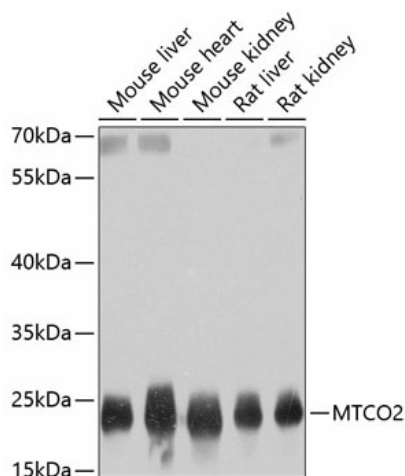
COX2 Rabbit Polyclonal Antibody

Product data:

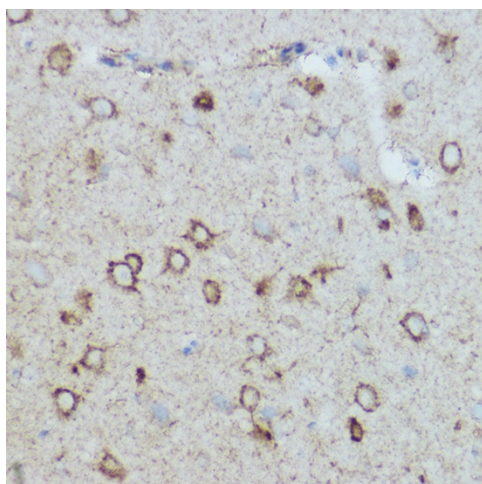
Product Type:	Primary Antibodies
Applications:	ELISA, IHC, WB
Recommended Dilution:	WB, 1:500 - 1:2000 IHC-P, 1:100 - 1:500 ELISA, Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.
Reactivity:	Mouse, Rat
Modifications:	Unmodified
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Formulation:	Buffer: PBS with 0.09% Sodium azide, 50% glycerol, pH 7.3.
Concentration:	lot specific
Purification:	Affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C. Avoid freeze / thaw cycles.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	26kDa
Gene Name:	cytochrome c oxidase II, mitochondrial
Database Link:	Entrez Gene 17709 Mouse P00403
Background:	Predicted to enable copper ion binding activity and oxidoreductase activity. Predicted to contribute to cytochrome-c oxidase activity. Predicted to be involved in ATP synthesis coupled electron transport; positive regulation of cellular biosynthetic process; and positive regulation of necrotic cell death. Located in mitochondrion. Is expressed in embryo; epiblast; heart; liver; and metanephros. Orthologous to several human genes including MTCO2P12 (MT-CO2 pseudogene 12).


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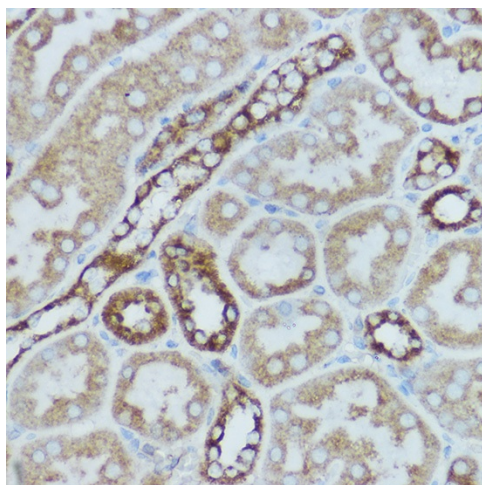
Product images:



Western blot analysis of various lysates using MTCO2 Rabbit pAb (TA378731) at 1:800 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 1s.



Western blot analysis of various lysates using MTCO2 Rabbit pAb (TA378731) at 1:800 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 15s.



Immunohistochemistry analysis of paraffin-embedded Mouse brain using MTCO2 Rabbit pAb (TA378731) at dilution of 1:400 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.