

Anti-MT-CO2 antibody (101-200) (STJ113171)

GENERAL INFORMATION

Product Type	Primary antibodies
Applications	WB/IHC-P/ELISA
Host / Source	Rabbit
Reactivity	Mouse/Rat

PRODUCT PROPERTIES

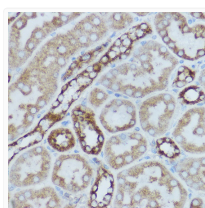
Clonality	Polyclonal
Concentration	Lot specific
Conjugation	Unconjugated
Purification	Affinity purification
Dilution Range	WB:1:500-1:2000 IHC-P:1:100-1:500 ELISA:Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.
Formulation	PBS with 0.09% Sodium Azide, 50% Glycerol, pH7.3.
Isotype	IgG
Molecular Weight	Protein Mw: 26kDa Observed Mw: 23kDa
Storage Instruction	Store at -20°C for up to 1 year from the date of receipt, and avoid repeat freeze-thaw cycles.

TARGET INFORMATION

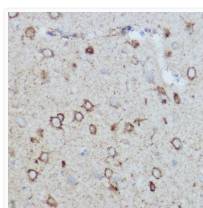
Gene ID	4513
Gene Symbol	MT-CO2
UniProt ID	COX2_HUMAN
Immunogen Region	101-200
Immunogen Sequence	GHQWYWSYEYTDYEDLCFDS YMIPTNDLKPGE LRLEVDN RVVLPME LPIRMLISSE DVL HSWAVPSLGLKTD AIPGRLN QATVTSNRPG LFYGCSEIC
Specificity	A synthetic peptide corresponding to a sequence within amino acids 101-200 of mouse MTCO2 (NP_904331.1).

ADDITIONAL INFORMATION

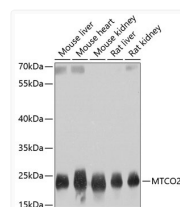
Note STRICTLY FOR FURTHER SCIENTIFIC RESEARCH USE ONLY (RUO). MUST NOT TO BE USED IN DIAGNOSTIC OR THERAPEUTIC APPLICATIONS.



Immunohistochemistry analysis of paraffin-embedded rat kidney using MTCO2 Rabbit polyclonal antibody (STJ113171) at dilution of 1:400 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with immunohistochemistry staining protocol.



Immunohistochemistry analysis of paraffin-embedded mouse brain using MTCO2 Rabbit polyclonal antibody (STJ113171) at dilution of 1:400 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with immunohistochemistry staining protocol.



Western blot analysis of extracts of various cell lines, using MTCO2 antibody (STJ113171) at 1:800 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (STJS000856) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 1s.