

Product datasheet for TA506179

Cytochrome C Oxidase subunit VIc (COX6C) Mouse Monoclonal Antibody [Clone ID: OTI4B11]

Product data:

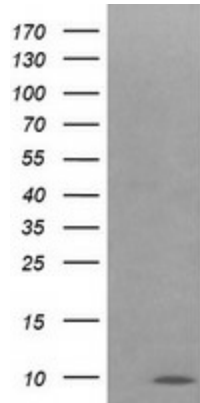
| | |
|-------------------------|--|
| Product Type: | Primary Antibodies |
| Clone Name: | OTI4B11 |
| Applications: | IF, IHC, WB |
| Recommend Dilution: | WB 1:4000, IHC 1:150, IF 1:100 |
| Reactivity: | Human |
| Host: | Mouse |
| Isotype: | IgG2b |
| Clonality: | Monoclonal |
| Immunogen: | Full length human recombinant protein of human COX6C(NP_004365) produced in HEK293T cell. |
| Formulation: | PBS (PH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide. |
| Concentration: | 1 mg/ml |
| Purification: | Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G) |
| Predicted Protein Size: | 8.6 kDa |
| Gene Name: | cytochrome c oxidase subunit 6C |
| Database Link: | NP_004365 Entrez Gene 1345 Human |
| Background: | Cytochrome c oxidase, the terminal enzyme of the mitochondrial respiratory chain, catalyzes the electron transfer from reduced cytochrome c to oxygen. It is a heteromeric complex consisting of 3 catalytic subunits encoded by mitochondrial genes and multiple structural subunits encoded by nuclear genes. The mitochondrially-encoded subunits function in electron transfer, and the nuclear-encoded subunits may be involved in the regulation and assembly of the complex. This nuclear gene encodes subunit VIc, which has 77% amino acid sequence identity with mouse subunit VIc. This gene is up-regulated in prostate cancer cells. A pseudogene has been found on chromosomes 16p12. [provided by RefSeq, Jul 2013] |
| Synonyms: | cytochrome c oxidase subunit VIc; cytochrome c oxidase subunit VIc preprotein |
| Protein Families: | Transmembrane |



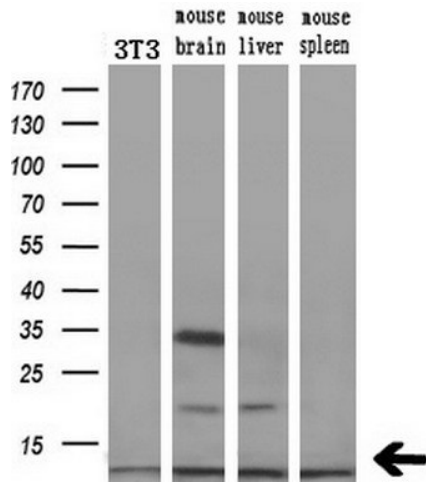
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Protein Pathways: Alzheimer's disease, Cardiac muscle contraction, Huntington's disease, Metabolic pathways, Oxidative phosphorylation, Parkinson's disease

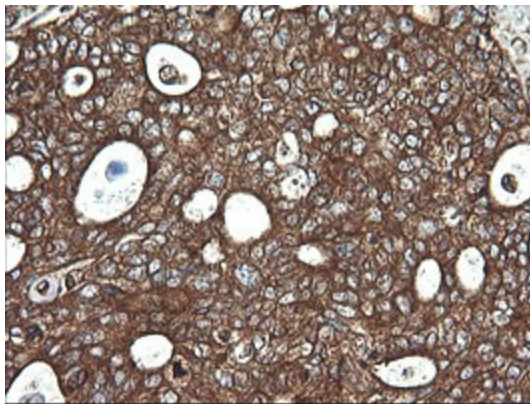
Product images:



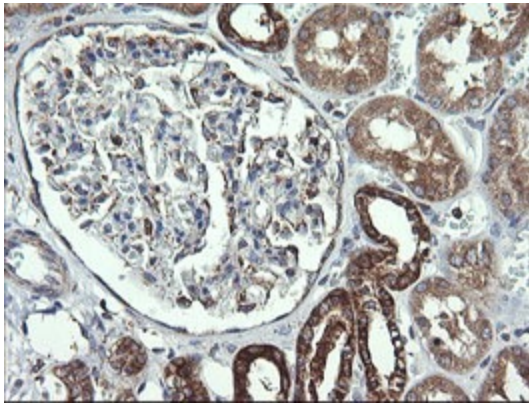
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY COX6C ([RC200374], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-COX6C. Positive lysates [LY418028] (100ug) and [LC418028] (20ug) can be purchased separately from OriGene.



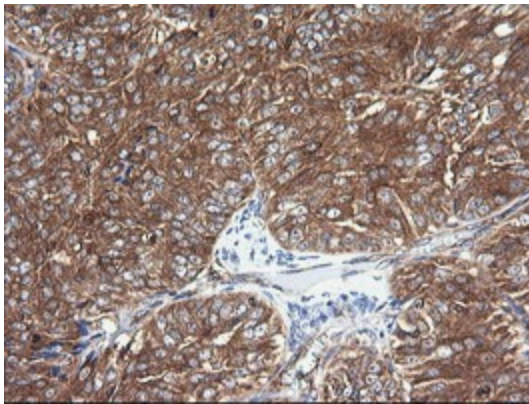
Western blot analysis of extracts (10ug) from a mouse cell line and 3 different mouse tissues by using anti-COX6C monoclonal antibody (1:200).



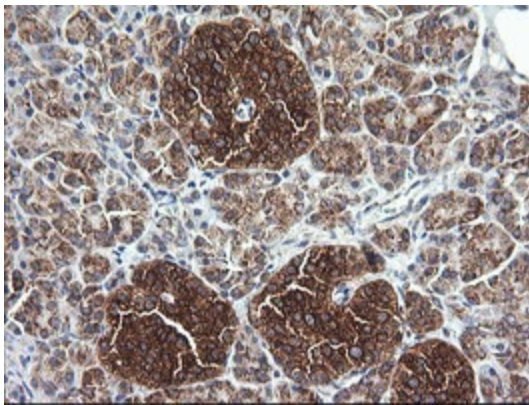
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human breast tissue using anti-COX6C mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, TA506179)



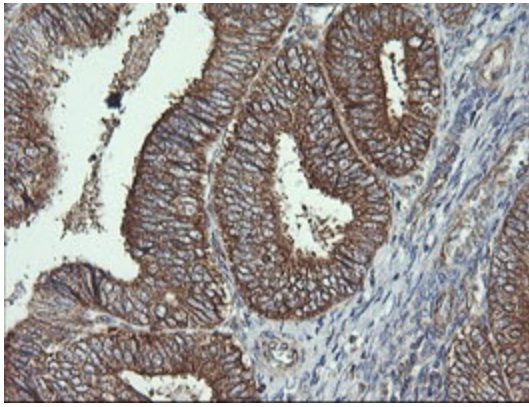
Immunohistochemical staining of paraffin-embedded Human Kidney tissue within the normal limits using anti-COX6C mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, TA506179)



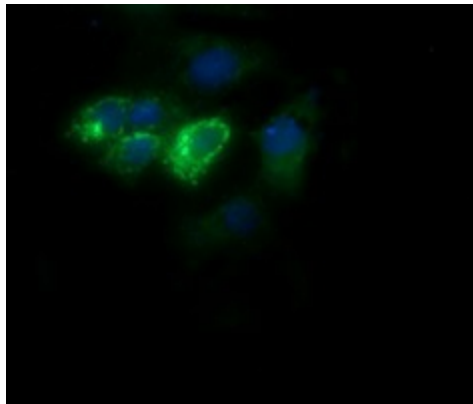
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human ovary tissue using anti-COX6C mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, TA506179)



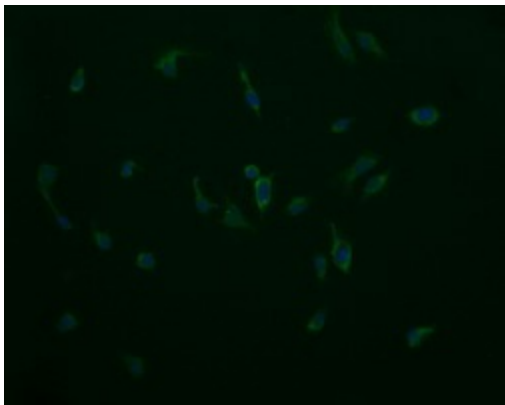
Immunohistochemical staining of paraffin-embedded Human pancreas tissue within the normal limits using anti-COX6C mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, TA506179)



Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human endometrium tissue using anti-COX6C mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, TA506179)



Anti-COX6C mouse monoclonal antibody (TA506179) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY COX6C ([RC200374]).



Immunofluorescent staining of HeLa cells using anti-COX6C mouse monoclonal antibody (TA506179).