

Product datasheet for **TA392678M**

COX4 (COX4I1) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB: 1:500~1:1000
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Recombinant full length Human Cox-4.
Specificity:	Cox-4 polyclonal antibody detects endogenous levels of Cox-4 protein.
Formulation:	Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2
Concentration:	1mg/ml
Conjugation:	Unconjugated
Storage:	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.
Stability:	1 year
Predicted Protein Size:	~ 20 kDa
Gene Name:	cytochrome c oxidase subunit 4I1
Database Link:	Entrez Gene 1327 Human P13073
Background:	Cytochrome c oxidase (COX) functions as the terminal oxidase of the respiratory chain that uses cytochrome c as an electron donor to drive a proton gradient across the inner mitochondrial membrane. The mammalian COX apoenzyme is a heteromer consisting of three mitochondrial encoded catalytic subunits and several nuclear gene encoded structural subunits. COX contains two iron-coordination sites and two copper-coordination sites. Cytochrome c oxidase IV (COX4) is a nuclear-encoded subunit of COX that may play a role in regulating COX activity. COX4 is expressed ubiquitously in adult human tissue with the strongest levels of expression in the pancreas and moderate expression levels in heart, skeletal muscle and placenta.

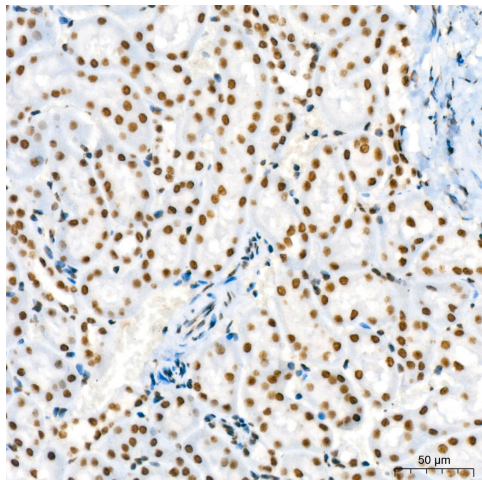


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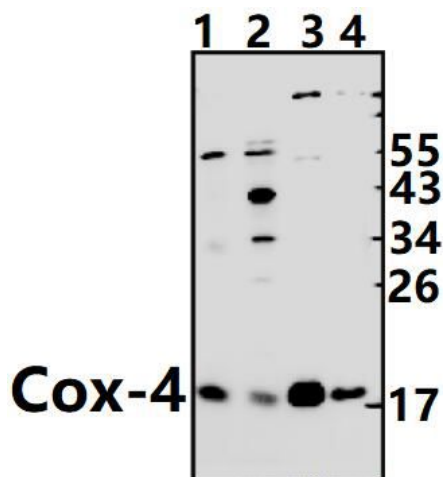
Synonyms: COX4; COX4I1; COX IV-1; Cytochrome c oxidase polypeptide IV; Cytochrome c oxidase subunit 4 isoform 1, mitochondrial; Cytochrome c oxidase subunit IV isoform 1

Note: For research use only, not for use in diagnostic procedure.

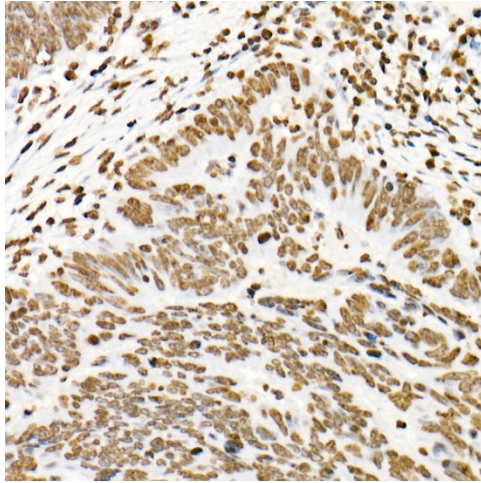
Product images:



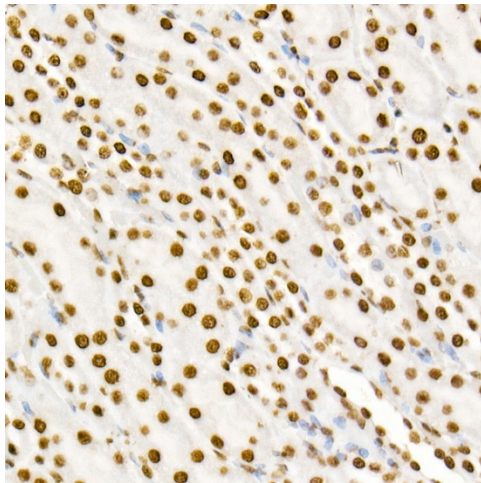
Confocal imaging of paraffin-embedded Mouse colon tissue using Phospho-STAT3-Y705 Rabbit mAb ([TA392678]



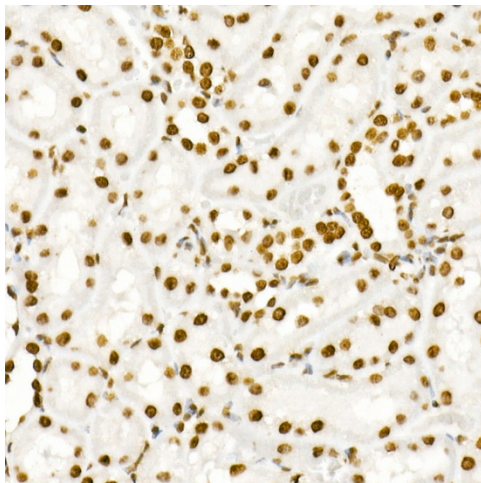
Western blot analysis of lysates from NIH/3T3 cells



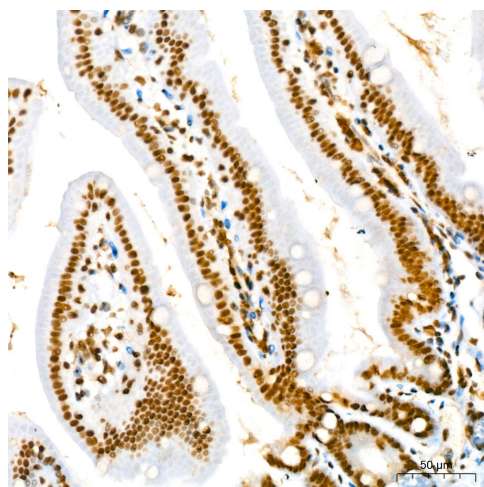
Immunohistochemistry analysis of paraffin-embedded Human tonsil tissue using Phospho-STAT3-Y705 Rabbit mAb ([TA392678]) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human breast cancer tissue using Phospho-STAT3-Y705 Rabbit mAb ([TA392678]) at a dilution of 1:200 (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 tissue using Phospho-STAT3-Y705 Rabbit mAb ([TA392678]) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat thymus tissue using Phospho-STAT3-Y705 Rabbit mAb ([TA392678]) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.