COX15 Antibody

Catalog No: #46974

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

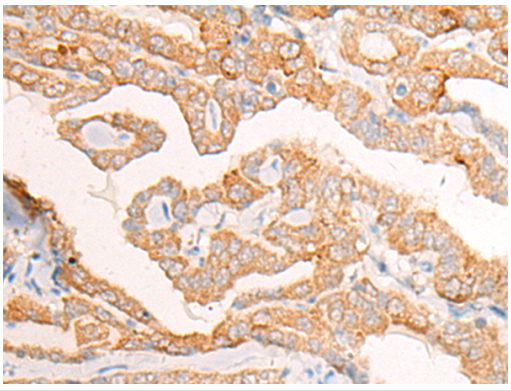
Description

Product Name	COX15 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen affinity purification
Applications	IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total COX15 protein.
Immunogen Type	peptide
Immunogen Description	Synthetic peptide of human COX15
Target Name	COX15
Other Names	CEMCOX2
Accession No.	Swiss-Prot#:Q7KZN9 NCBI Gene ID:1355Gene Accssion:NP_510870
Uniprot	Q7KZN9
GeneID	1355;
Concentration	0.7mg/ml
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN3, 40% Glycerol.
Storage	Store at -20C

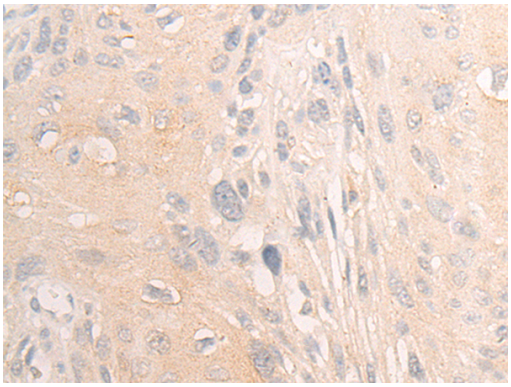
Application Details

Immunofluorescence:1: 20-100

Images



The image is immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using 46974(COX15 Antibody) at dilution 1/25. (Original magnification: ?00)



The image is immunohistochemistry of paraffin-embedded Human esophagus cancer tissue using 46974(COX15 Antibody) at dilution 1/25. (Original magnification: ?00)

Background

Cytochrome c oxidase (COX), the terminal component of the mitochondrial respiratory chain, catalyzes the electron transfer from reduced cytochrome c to oxygen. This component 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 function in the regulation and assembly of the complex. This nuclear gene encodes a protein which is not a structural subunit, but may be essential for the biogenesis of COX formation and may function in the hydroxylation of heme O, according to the yeast mutant studies. This protein is predicted to contain 5 transmembrane domains localized in the mitochondrial inner membrane. Alternative splicing of this gene generates two transcript variants diverging in the 3' region.

Note: This product is for in vitro research use only