MT-ND3 Antibody

Catalog No: #37743

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

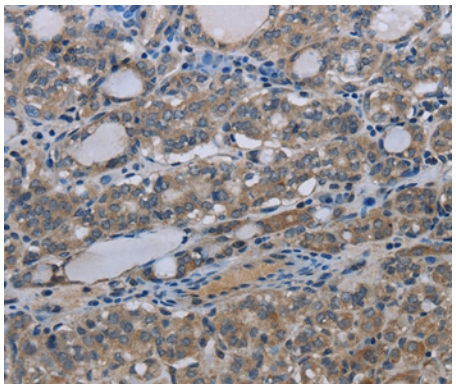
Description

Product Name	MT-ND3 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen affinity purification.
Applications	IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total MT-ND3 protein.
Immunogen Type	Peptide
Immunogen Description	Synthetic peptide corresponding to a region derived from internal residues of human mitochondrially encoded NADH dehydrogenase 3
Target Name	MT-ND3
Other Names	MTND3; ND3
Accession No.	Swiss-Prot#: P03897NCBI Gene ID: 4537Gene Accssion: YP_003024033
Uniprot	P03897
GeneID	4537;
Concentration	1.5mg/ml
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN3, 40% Glycerol.
Storage	Store at -20°C

Application Details

Immunohistochemistry: 1:25-1:100

Images



Immunohistochemical analysis of paraffin-embedded Human thyroid cancer tissue using #37743 at dilution 1/30.

Background

NADH:ubiquinone oxidoreductase (complex I) is an extremely complicated multiprotein complex located in the inner mitochondrial membrane. Human complex I is important for energy metabolism because its main function is to transport electrons from NADH to ubiquinone, which is accompanied by

trans-location of protons from the mitochondrial matrix to the intermembrane space. Human complex I appears to consist of 41 subunits. A small number of complex I subunits are the products of mitochondrial genes (subunits 1-7), while the remainder are nuclear encoded and imported from the cytoplasm. NADH dehydrogenase subunit 3 (ND3) localizes to the hydrophobic protein fragment of complex I. Mutations in the gene encodiing for ND3 may be associated with Parkinson disease.

Note: This product is for in vitro research use only