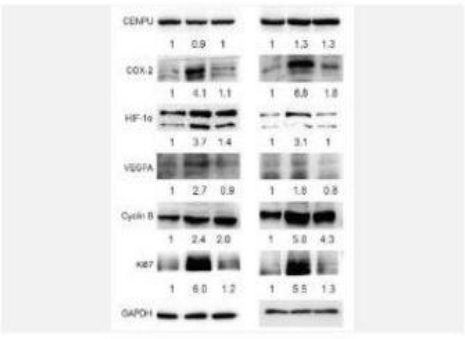
PRODUCT DATA SHEET

COX2 Polyclonal Antibody

Catalog No.	IPB0149
Reactivity	Human; Mouse; Rat
Applications	WB; ELISA
Dilution	WB: 1:500-2000 ELISA: 1:5000-20000
Gene Name	MT-CO2 COII COXII MTCO2
Protein Name	Cytochrome c oxidase subunit 2 (Cytochrome c oxidase polypeptide II)
Human Gene Id	4513
Swiss-Prot	P00403
Formulation	Liquid in PBS containing 50% glycerol, and 002% sodium azide
Source	Rabbit
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Concentration	1 mg/ml
Storage&Stability	-20°C/1 year
Subcellular Location	Mitochondrion inner membrane; Multi-pass membrane protein
MW	-
Background	cofactor: Copper A,disease: Defects in MT-CO2 are a cause of cytochrome c oxidase deficiency (COX deficiency) [MIM: 220110]; also called mitochondrial complex IV deficiency COX deficiency is a clinically heterogeneous disorder The clinical features are ranging from isolated myopathy to severe multisystem disease, with onset from infancy to adulthood,disease: Defects in MT-CO2 are associated with tumor formation,function: Cytochrome c oxidase is the component of the respiratory chain that catalyzes the reduction of oxygen to water Subunits 1-3 form the functional core of the enzyme complex Subunit 2 transfers the electrons from cytochrome c via its binuclear copper A center to the bimetallic center of the catalytic subunit 1,similarity: Belongs to the cytochrome c oxidase subunit 2 family

Products Images:



Zhao, Shaorong et al. "Deciphering the performance of polo-like kinase 1 in triple-negative breast cancer progression according to the centromere protein U-phosphorylation pathway." American journal of cancer research vol. 11,5 2142-2158. 15 May. 2021

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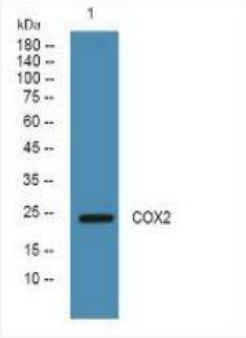

Western blot analysis of lysates from SH-SY5Y cells, primary antibody was diluted at 1:1000, 4°over night