

Anti-COX4I1 Antibody (9P550)

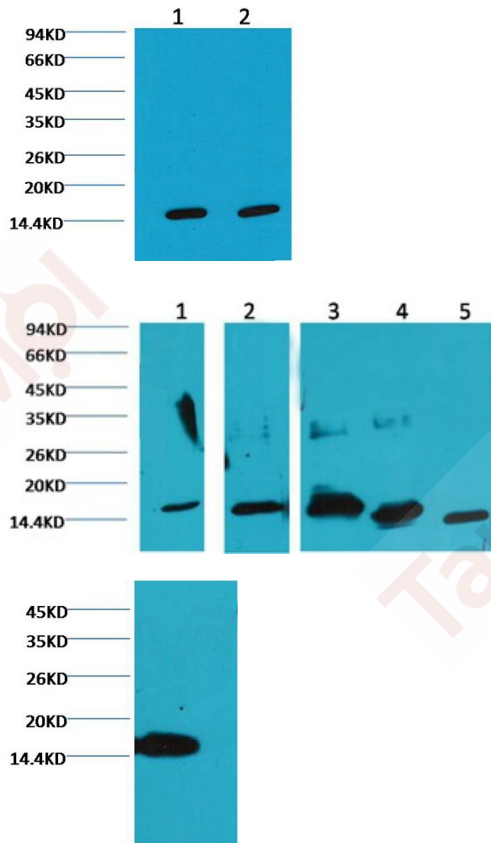
Product Details

Reactivity:	Human,Mouse,Rat
Conjugation:	Unconjugated
Molecular Weight:	Actual: 17 kDa.
Clone:	9P550
Purification:	Affinity purification using immunogen.

Applications

Verified Activity:

1. Western blot analysis of Hela cells, using TMAC-00945 diluted at 1:2,000, 1:5,000.
2. Western blot analysis of 1) HepG2, 2) 293T, 3) Rat Heart, 4) Mouse Heart, 5) Mouse Muscle tissue, using TMAC-00945 diluted at 1:3,000.
3. Western blot analysis of Hela cells, using TMAC-00945 diluted at 1:3,000.



Application:	WB
Recommended	WB: 1:1000-3000

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Uniprot ID: P13073

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

Research Background

The enzyme cytochrome c oxidase or Complex IV, EC 1.9.3.1) is a large transmembrane protein complex found in bacteria and the mitochondrion. It is the last enzyme in the respiratory electron transport chain of mitochondria (or bacteria) located in the mitochondrial (or bacterial) membrane. It receives an electron from each of four cytochrome c molecules, and transfers them to one oxygen molecule, converting molecular oxygen to two molecules of water. In the process, it binds four protons from the inner aqueous phase to make water, and in addition translocates four protons across the membrane, helping to establish a transmembrane difference of proton electrochemical potential that the ATP synthase then uses to synthesize ATP.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel: 781-999-4286 E_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481