

ATPO Rabbit pAb

CatalogNo: YN0470

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB, ELISA

MW

- 23kD (Observed)

Isotype

- IgG

Storage

Storage* -15°C to -25°C/1 year (Do not lower than -25°C)

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Recommended Dilution Ratios

WB 1:500-2000

ELISA 1:5000-20000

Basic Information

Clonality Polyclonal

Immunogen Information

Immunogen Synthesized peptide derived from human protein . at AA range: 1-80

Specificity ATPO Polyclonal Antibody detects endogenous levels of protein.

Target Information

Gene name ATP5O ATPO

Protein Name ATP synthase subunit O, mitochondrial (Oligomycin sensitivity conferral protein) (OSCP)

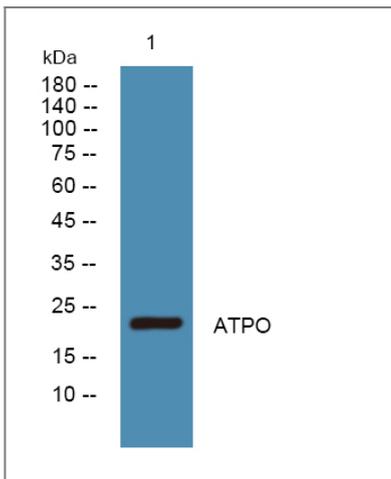
Organism	Gene ID	UniProt ID
Human	539;	P48047;
Mouse		Q9DB20;
Rat		Q06647;

Cellular Localization Mitochondrion . Mitochondrion inner membrane .

Tissue specificity Brain,Coronary artery,Heart,Muscle,

Function Function:Mitochondrial membrane ATP synthase (F(1)F(0) ATP synthase or Complex V) produces ATP from ADP in the presence of a proton gradient across the membrane which is generated by electron transport complexes of the respiratory chain. F-type ATPases consist of two structural domains, F(1) - containing the extramembraneous catalytic core and F(0) - containing the membrane proton channel, linked together by a central stalk and a peripheral stalk. During catalysis, ATP synthesis in the catalytic domain of F(1) is coupled via a rotary mechanism of the central stalk subunits to proton translocation. Part of the complex F(0) domain and the peripheric stalk, which acts as a stator to hold the catalytic alpha(3)beta(3) subcomplex and subunit a/ATP6 static relative to the rotary elements.,similarity:Belongs to the ATPase delta chain family.,subunit:F-type ATPases have 2 components, CF(1) - the catalytic core - and CF(0) - the membrane proton channel. CF(1) has five subunits: alpha(3), beta(3), gamma(1), delta(1), epsilon(1). CF(0) has three main subunits: a, b and c.,

Validation Data



Western blot analysis of lysates from U2OS cells, primary antibody was diluted at 1:1000, 4° over night

Contact information

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ATPO Rabbit pAb

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