


Product datasheet

Anti-ATPG antibody ab74807

画像数 1

製品の概要

製品名	Anti-ATPG antibody
製品の詳細	Rabbit polyclonal to ATPG
由来種	Rabbit
アプリケーション	適用あり: WB, ELISA
種交差性	交差種: Human 交差が予測される動物種: Mouse, Rat 
免疫原	Synthetic peptide derived from an internal sequence of human ATPG.
ポジティブ・コントロール	HeLa and Jurkat cell extracts.

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
バッファー	Preservative: 0.02% Sodium Azide Constituents: 50% Glycerol, PBS (without Mg ²⁺ and Ca ²⁺), 150mM Sodium chloride, pH 7.4
精製度	Immunogen affinity purified
ポリ/モノ	ポリクローナル
アイソタイプ	IgG

アプリケーション

Our [Abpromise guarantee](#) covers the use of **ab74807** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

アプリケーション	Abreviews	特記事項
WB		1/500 - 1/1000. Predicted molecular weight: 33 kDa.
ELISA		1/40000.

ターゲット情報

機能

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(1) domain and the central stalk which is part of the complex rotary element. The gamma subunit protrudes into the catalytic domain formed of alpha(3)beta(3). Rotation of the central stalk against the surrounding alpha(3)beta(3) subunits leads to hydrolysis of ATP in three separate catalytic sites on the beta subunits.

組織特異性

Isoform Heart is expressed specifically in the heart and skeletal muscle, which require rapid energy supply. Isoform Liver is expressed in the brain, liver and kidney. Isoform Heart and Isoform Liver are expressed in the skin, intestine, stomach and aorta.

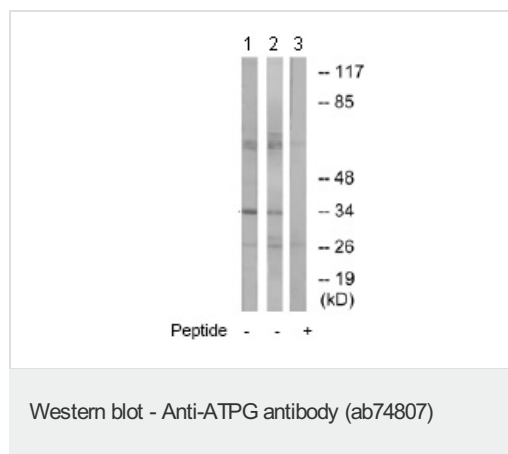
配列類似性

Belongs to the ATPase gamma chain family.

細胞内局在

Mitochondrion. Mitochondrion inner membrane.

画像



All lanes : Anti-ATPG antibody (ab74807) at 1/500 dilution

Lane 1 : HeLa cell extracts

Lane 2 : Jurkat cell extracts

Lane 3 : HeLa cell extracts with immunising peptide at 10 µg

Lysates/proteins at 30 µg per lane.

Predicted band size: 33 kDa

Observed band size: 33 kDa

Additional bands at: 26 kDa, 65 kDa. We are unsure as to the identity of these extra bands.

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