



Datasheet for ABIN6242139  
**anti-ATP5EP2 antibody (AA 19-52)**



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1 Image

Overview

Quantity:	200 µL
Target:	ATP5EP2
Binding Specificity:	AA 19-52
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ATP5EP2 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	This ATP5EP2 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 19-52 amino acids from the Central region of human ATP5EP2.
Clone:	RB53889
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	ATP5EP2
Alternative Name:	ATP5EP2 ( <a href="#">ATP5EP2 Products</a> )
Background:	Mitochondrial membrane ATP synthase (F(1)F(0) ATP synthase or Complex V) produces ATP

## Target Details

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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 of the central stalk which is part of the complex rotary element. 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 (By similarity).

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Molecular Weight:	5807
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UniProt:	<a href="#">Q5VTU8</a>
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## Application Details

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Application Notes:	WB: 1:2000
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Restrictions:	For Research Use only
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## Handling

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Format:	Liquid
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Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
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Preservative:	Sodium azide
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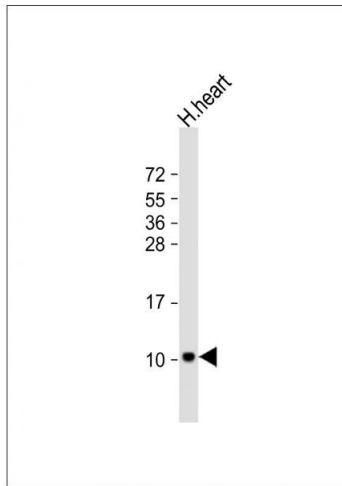
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
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Storage:	4 °C, -20 °C
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Expiry Date:	6 months
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### Western Blotting

**Image 1.** Anti-ATP5EP2 Antibody (Center) at 1:2000 dilution + human heart lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 6 kDa  
Blocking/Dilution buffer: 5 % NFDm/TBST.