

Datasheet for ABIN653734  
**anti-ATP5A1 antibody (C-Term)**[Go to Product page](#)

## 2 Images

## Overview

Quantity:	400 µL
Target:	ATP5A1
Binding Specificity:	AA 477-503, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ATP5A1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Immunogen:	This ATP5A1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 477-503 amino acids from the C-terminal region of human ATP5A1.
Clone:	RB24575
Isotype:	Ig Fraction
Predicted Reactivity:	B, M, Pig, Rat
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

## Target Details

Target:	ATP5A1
Alternative Name:	ATP5A1 ( <a href="#">ATP5A1 Products</a> )

## Target Details

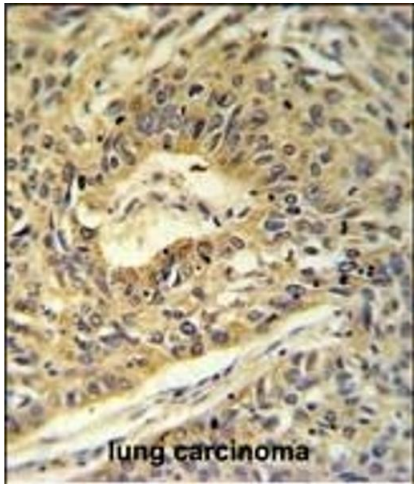
Background:	This gene encodes a subunit of mitochondrial ATP synthase. Mitochondrial ATP synthase catalyzes ATP synthesis, using an electrochemical gradient of protons across the inner membrane during oxidative phosphorylation. ATP synthase is composed of two linked multi-subunit complexes: the soluble catalytic core, F1, and the membrane-spanning component, Fo, comprising the proton channel. The catalytic portion of mitochondrial ATP synthase consists of 5 different subunits (alpha, beta, gamma, delta, and epsilon) assembled with a stoichiometry of 3 alpha, 3 beta, and a single representative of the other 3. The proton channel consists of three main subunits (a, b, c). This gene encodes the alpha subunit of the catalytic core.
Molecular Weight:	59751
Gene ID:	498
NCBI Accession:	<a href="#">NP_001001935</a> , <a href="#">NP_001001937</a> , <a href="#">NP_001244263</a> , <a href="#">NP_001244264</a> , <a href="#">NP_004037</a>
UniProt:	<a href="#">P25705</a>
Pathways:	<a href="#">Proton Transport</a> , <a href="#">Ribonucleoside Biosynthetic Process</a>

## Application Details

Application Notes:	WB: 1:1000. IHC-P: 1:50~100
Restrictions:	For Research Use only

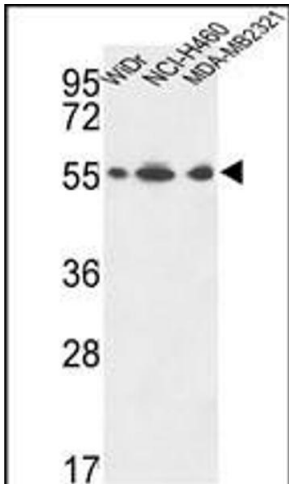
## Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C, -20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months



**Immunohistochemistry (Paraffin-embedded Sections)**

**Image 1.** ATP5A1 Antibody (C-term) (ABIN653734 and ABIN2843039) IHC analysis in formalin fixed and paraffin embedded lung carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the ATP5A1 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



**Western Blotting**

**Image 2.** ATP5A1 Antibody (C-term) (ABIN653734 and ABIN2843039) western blot analysis in WiDr,NCI-,MDA-M cell line lysates (35 µg/lane).This demonstrates the ATP5A1 antibody detected the ATP5A1 protein (arrow).