

Datasheet for ABIN950556

**anti-MT-ATP6 antibody (C-Term, Subunit alpha)**[Go to Product page](#)**2** Images

## Overview

Quantity:	0.4 mL
Target:	MT-ATP6
Binding Specificity:	AA 483-512, C-Term, Subunit alpha
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MT-ATP6 antibody is un-conjugated
Application:	Western Blotting (WB), Enzyme Immunoassay (EIA), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Immunogen:	KLH conjugated synthetic peptide between 483~512 amino acids from the C-terminal region of human ATP5A1
Isotype:	Ig Fraction
Specificity:	This antibody reacts to ATP synthase subunit alpha.
Cross-Reactivity (Details):	Species reactivity (tested):Human.
Purification:	Affinity chromatography on Protein A

## Target Details

Target:	MT-ATP6
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## Target Details

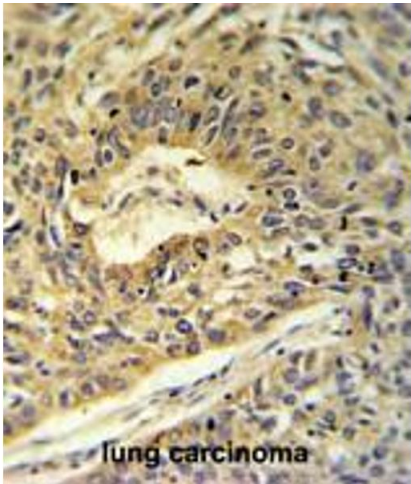
Alternative Name:	ATP Synthase Subunit alpha ( <a href="#">MT-ATP6 Products</a> )
Background:	<p>This gene encodes a subunit of mitochondrial ATP synthase. Mitochondrial ATP synthase catalyzes ATP synthesis, using an electrochemical gradient of protons across the inner membrane during oxidative phosphorylation. 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. Synonyms: ATP5A, ATP5A1, ATP5AL2, ATPM, Complex V alpha subunit, F1F0 ATP synthase alpha subunit, mitochondrial ATP synthase subunit alpha</p>
Gene ID:	498
NCBI Accession:	<a href="#">NP_001001937</a>
Pathways:	<a href="#">Proton Transport, Ribonucleoside Biosynthetic Process</a>

## Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

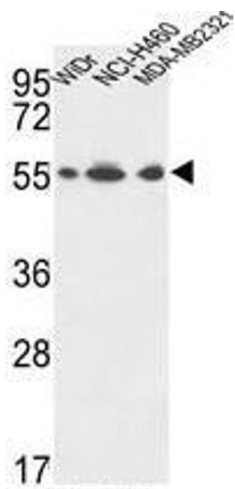
## Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	PBS containing 0.09 % (W/V) sodium azide as preservative
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** ATP5A1 Antibody (C-term) 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) western blot analysis in WiDr,NCI-H460,MDA-MB231 cell line lysates (35µg/lane).This demonstrates the ATP5A1 antibody detected the ATP5A1 protein (arrow).