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Datasheet for ABIN6260125  
**anti-ATP5E antibody (Internal Region)**

2 Images

Overview

Quantity:	100 µL
Target:	ATP5E
Binding Specificity:	Internal Region
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ATP5E antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	A synthesized peptide derived from human ATP5E, corresponding to a region within the internal amino acids.
Isotype:	IgG
Specificity:	ATP5E Antibody detects endogenous levels of total ATP5E.
Predicted Reactivity:	Pig,Bovine
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).

Target Details

Target:	ATP5E
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## Target Details

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Alternative Name:	ATP5E ( <a href="#">ATP5E Products</a> )
Background:	<p>Description: Mitochondrial membrane ATP synthase (F1F0 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, F1 - containing the extramembraneous catalytic core, and F0 - containing the membrane proton channel, linked together by a central stalk and a peripheral stalk. During catalysis, ATP synthesis in the catalytic domain of F1 is coupled via a rotary mechanism of the central stalk subunits to proton translocation. Part of the complex F1 domain and of the central stalk which is part of the complex rotary element. Rotation of the central stalk against the surrounding alpha3beta3 subunits leads to hydrolysis of ATP in three separate catalytic sites on the beta subunits (By similarity).</p> <p>Gene: ATP5E</p>
Molecular Weight:	6 kDa
Gene ID:	514
UniProt:	<a href="#">P56381</a>
Pathways:	<a href="#">Proton Transport</a> , <a href="#">Ribonucleoside Biosynthetic Process</a>

## Application Details

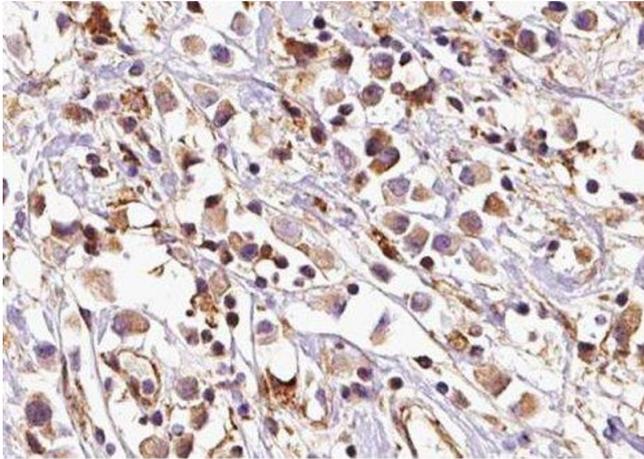
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Application Notes:	WB 1:1000-3000, IHC 1:200, ELISA(peptide) 1:20000-1:40000
Restrictions:	For Research Use only

## Handling

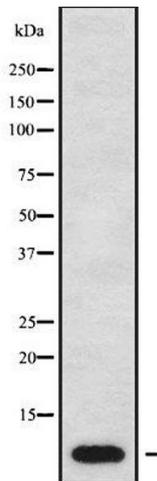
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Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20 °C. Stable for 12 months from date of receipt.



### Immunohistochemistry

**Image 1.** ABIN6279152 at 1/100 staining Human breast cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit antibody was used as the secondary



### Western Blotting

**Image 2.** Western blot analysis of ATP5E using HT29 whole cell lysates