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Datasheet for ABIN7148551  
**anti-ATP7A antibody (AA 257-488)**

2 Images

Overview

Quantity:	100 µg
Target:	ATP7A
Binding Specificity:	AA 257-488
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ATP7A antibody is un-conjugated
Application:	Immunohistochemistry (IHC), ELISA, Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant Human Copper-transporting ATPase 1 protein (257-488AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	ATP7A
Alternative Name:	ATP7A ( <a href="#">ATP7A Products</a> )
Background:	Background: May supply copper to copper-requiring proteins within the secretory pathway, when localized in the trans-Golgi network. Under conditions of elevated extracellular copper, it

## Target Details

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relocalized to the plasma membrane where it functions in the efflux of copper from cells.

Aliases: ATP 7A antibody, ATP7A antibody, ATP7A\_HUMAN antibody, ATPase copper transporting alpha polypeptide antibody, ATPase Cu<sup>++</sup> transporting alpha polypeptide (Menkes syndrome) antibody, ATPase Cu<sup>++</sup> transporting alpha polypeptide antibody, Copper pump 1 antibody, Copper transporting ATPase 1 antibody, Copper-transporting ATPase 1 antibody, Cu<sup>++</sup> transporting P type ATPase antibody, DSMAX antibody, FLJ17790 antibody, MC 1 antibody, MC1 antibody, Menkes disease associated protein antibody, Menkes disease-associated protein antibody, Menkes syndrome antibody, MK antibody, MNK antibody, OHS antibody, OTTHUMP00000062077 antibody, SMAX3 antibody

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UniProt: [Q04656](#)

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Pathways: [Transition Metal Ion Homeostasis](#), [Ribonucleoside Biosynthetic Process](#)

## Application Details

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Application Notes: Recommended dilution: IHC:1:300-1:500, IF:1:50-1:200,

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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Buffer: Preservative: 0.03 % Proclin 300  
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

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Preservative: ProClin

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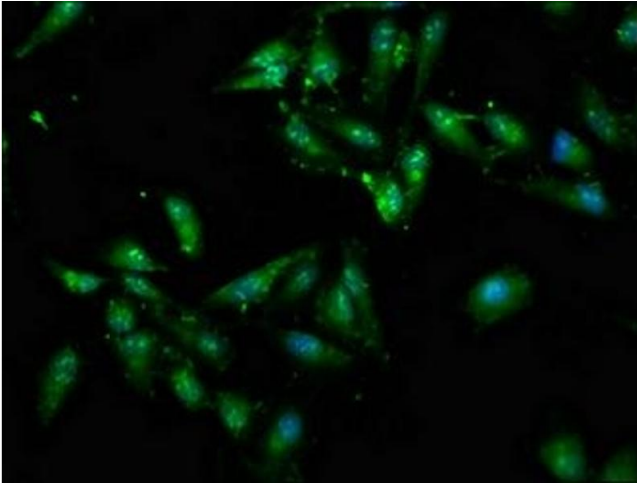
Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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Storage: -20 °C,-80 °C

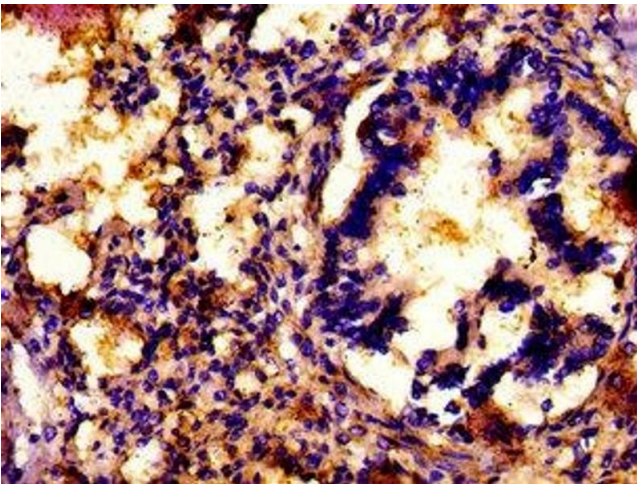
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Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



#### Immunofluorescence

**Image 1.** Immunofluorescence staining of HeLa cells with ABIN7148551 at 1:100, counter-stained with DAPI. The cells were fixed in 4 % formaldehyde, permeabilized using 0.2 % Triton X-100 and blocked in 10 % normal Goat Serum. The cells were then incubated with the antibody overnight at 4 °C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



#### Immunohistochemistry

**Image 2.** IHC image of ABIN7154307 diluted at 1: 500 and staining in paraffin-embedded human lung tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer ( pH 6.0) . Section was blocked with 10 % normal goat serum 30 min at RT. Then primary antibody (1 % BSA) was incubated at 4 °C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.