

Rabbit anti-Human ATP7A Polyclonal Antibody | anti-ATP7A antibody

ATP7A Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA234044	Rabbit	Human	Immunofluorescence, Immunohistochemistry, ELISA

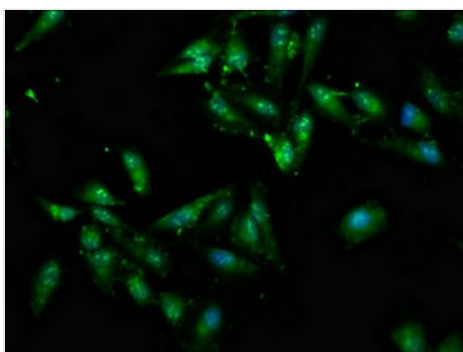
PRODUCT SYNONYMS

ATP7A; Polyclonal Antibody; ATP7A Antibody; Copper-transporting ATPase 1; Copper pump 1; Menkes disease-associated protein; MC1; MNK; anti-ATP7A antibody

PRODUCT SPECIFICATIONS

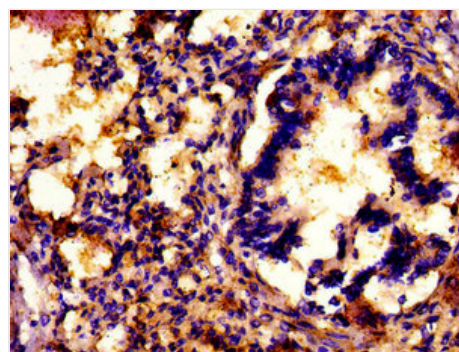
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%, Protein G purified
Form/Format	Liquid
Sequence Length	1500
Applicable Applications for anti-ATP7A antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), ELISA
Immunogen	Recombinant Human Copper-transporting ATPase 1 protein (257-488AA)
Conjugation	Non-conjugated
Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, pH 7.4
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



IF (Immunofluorescence)

Immunofluorescence staining of HeLa cells with AAA234044 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 degree C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG (H+L).



IHC (Immunohistochemistry)

IHC image 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 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.

ADDITIONAL INFORMATION

Related Product Information for anti-ATP7A antibody	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 relocalized to the plasma membrane where it functions in the efflux of copper from cells.
Product Categories/Family for anti-ATP7A antibody	Neuroscience; Cancer; Metabolism; Signal transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	532691750
NCBI GeneID	538
NCBI Accession #	NP_000043.4
NCBI GenBank Nucleotide #	NM_000052.6
UniProt Accession #	Q04656; O00227; O00745; Q9BYY8; B1AT72
Molecular Weight	11,522 Da
NCBI Official Full Name	copper-transporting ATPase 1 isoform 1
NCBI Official Synonym Full Names	ATPase copper transporting alpha
NCBI Official Symbol	ATP7A
NCBI Official Synonym Symbols	MK; MNK; DSMAX; SMAX3
NCBI Protein Information	copper-transporting ATPase 1
UniProt Protein Name	Copper-transporting ATPase 1
UniProt Gene Name	ATP7A
UniProt Synonym Gene Names	MC1; MNK

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/atp7a-antibody-immunofluorescence-immunohistochemistry-elisa/234044>