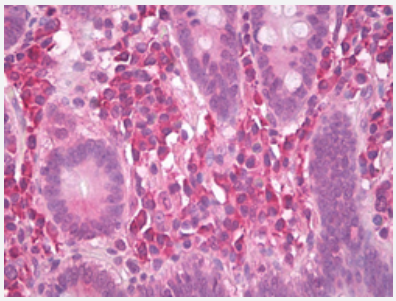
ATP7A monoclonal antibody, clone S60-4

Catalog # MAB12725 Size 50 ug

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human small intestine with ATP7A monoclonal antibody, clone S60-4 (Cat # MAB12725) at 10 ug/mL working concentration.

Specification

Product Description	Mouse monoclonal antibody raised against human ATP7A.
Immunogen	A synthetic peptide corresponding to amino acids 42-61 at cytoplasmic region of human ATP7A.
Host	Mouse
Reactivity	Human, Rat
Form	Liquid
Purification	Protein G purification
Isotype	IgG2b
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (10 ug/mL) Immunoprecipitation Western Blot The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (50% glycerol, 0.09% sodium azide).
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.

Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Western Blot
- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

  Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human small intestine with ATP7A monoclonal antibody, clone S60-4 (Cat # MAB12725) at 10 ug/mL working concentration.
- Immunoprecipitation

Gene Info — ATP7A

Entrez GeneID	538
Gene Name	ATP7A
Gene Alias	FLJ17790, MK, MNK
Gene Description	ATPase, Cu++ transporting, alpha polypeptide
Omim ID	300011 304150 309400
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a transmembrane protein that functions in copper transport across membrane s. The protein localizes to the trans-Golgi network, where it is predicted to supply copper to coppe r-dependent enzymes in the secretory pathway. The protein relocalizes to the plasma membrane under conditions of elevated extracellular copper and functions in the efflux of copper from cells. M utations in this gene result in Menkes disease, X-linked cutis laxa, and occipital horn syndrome. [p rovided by RefSeq
Other Designations	Cu++-transporting P-type ATPase|Menkes disease-associated protein|Menkes syndrome|OTTH UMP00000023593|OTTHUMP00000062077|copper pump 1|copper-transporting ATPase 1