



[Go to Product page](#)

Datasheet for ABIN560009

anti-ATP7B antibody (AA 1372-1465)

3 Images

1 Publication

Overview

Quantity:	100 µg
Target:	ATP7B
Binding Specificity:	AA 1372-1465
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This ATP7B antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Purpose:	Mouse monoclonal antibody raised against a partial recombinant ATP7B.
Immunogen:	ATP7B (NP_000044, 1372 a.a. ~ 1465 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence:	QLKCYKKPDL ERYEAQAHGH MKPLTASQVS VHIGMDDRWR DSPRATPWDQ VSYVSQVSLSLTSDKPSRH SAAADDDGDK WLLLLNGRDE EQYI
Clone:	3E10
Isotype:	IgG1
Cross-Reactivity:	Human
Characteristics:	Antibody Reactive Against Recombinant Protein.

Target Details

Target:	ATP7B
Alternative Name:	ATP7B (ATP7B Products)
Background:	Full Gene Name: ATPase, Cu ⁺⁺ transporting, beta polypeptide Synonyms: PWD,WC1,WD,WND
Gene ID:	540
NCBI Accession:	NM_000053
Pathways:	Transition Metal Ion Homeostasis , Ribonucleoside Biosynthetic Process

Application Details

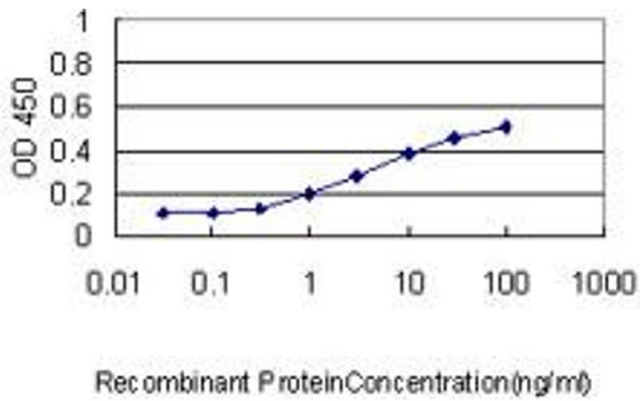
Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Buffer:	In 1x PBS, pH 7.4
Handling Advice:	Aliquot to avoid repeated freezing and thawing.
Storage:	-20 °C
Storage Comment:	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

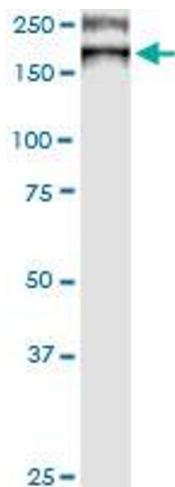
Publications

Product cited in:	Ansele, Wright, St Claire, Hart, Gefroh, Brouwer: "Characterization of sandwich-cultured hepatocytes as an in vitro model to assess the hepatobiliary disposition of copper." in: Drug metabolism and disposition: the biological fate of chemicals , Vol. 37, Issue 5, pp. 969-76, (2009) (PubMed).
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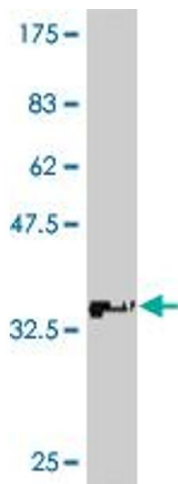
ELISA

Image 1. Detection limit for recombinant GST tagged ATP7B is approximately 0.3ng/ml as a capture antibody.



Western Blotting

Image 2. ATP7B monoclonal antibody (M01), clone 3E10. Western Blot analysis of ATP7B expression in human colon.



Western Blotting

Image 3. Western Blot detection against Immunogen (36.08 KDa) .