

Datasheet

CPS1 monoclonal antibody (M01), clone 8H8

Catalog Number: H00001373-M01

Regulatory Status: For research use only (RUO)

Product Description: Mouse monoclonal antibody raised against a partial recombinant CPS1.

Clone Name: 8H8

Immunogen: CPS1 (NP_001866, 1400 a.a. ~ 1500 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence:

ANNVPATPVAVPSQEGQNPSLSSIRKLIRDGSIDLVINL
PNNNTKVFHDNYVIRRTAVDSGIPLLTNFQVTKLFAEA
VQKSRKVDSKSLFHRYRQYSAGKAA

Host: Mouse

Reactivity: Human

Applications: ELISA, IHC-P, S-ELISA, WB-Ce, WB-Re
(See our web site product page for detailed applications information)

Protocols: See our web site at
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Isotype: IgG1 Kappa

Storage Buffer: In 1x PBS, pH 7.4

Storage Instruction: Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 1373

Gene Symbol: CPS1

Gene Alias: -

Gene Summary: The protein encoded by this gene is an enzyme that catalyzes the first committed step of the hepatic urea cycle, which is important in the removal of excess urea from cells. There are two isozymes of this

enzyme, and the encoded protein is the mitochondrial form. Three transcript variants encoding different isoforms have been found for this gene. The shortest isoform may not be localized to the mitochondrion. [provided by RefSeq]

References:

1. Identification of a mitochondrial defect gene signature reveals NUPR1 as a key regulator of liver cancer progression. Lee YK, Jee BA, Kwon SM, Yoon YS, Xu WG, Wang HJ, Wang XW, Thorgeirsson SS, Lee JS, Woo HG, Yoon G. *Hepatology*. 2015 Jul 14. [Epub ahead of print]