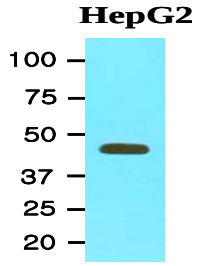
Product: **Anti-MAT2A, human**
Catalog #: **01-2506**
Amount: **100 µl**

CATEGORY: **Mouse** monoclonal
DESCRIPTION: Methionine adenosyltransferase II (MAT II) is a key enzyme in cellular metabolism and catalyzes the formation of S-adenosylmethionine (SAMe) from L-methionine and ATP. MAT2A is expressed in extrahepatic tissues. In liver, MAT2A expression associates with growth, dedifferentiation, and cancer.
NCBI Accession No.: NP_005902
CLONE: 3A2
IMMUNOGLOBULIN SUBTYPE: Mouse IgG2b kappa
IMMUNOGEN: Recombinant human MAT2A (1-395aa) purified from *E. coli*
FORM: Affinity purified, in PBS containing 0.05% NaN_3 and protein stabilizer

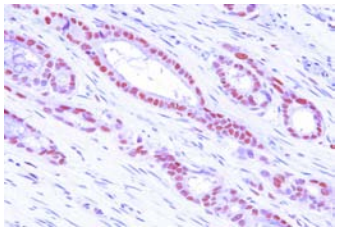
ANTIGEN RECOGNIZED
IN SPECIES: Human
SPECIFICITY: MAT2A
APPLICATION (tested so far)**:** Immunoblotting (western, ECL)
ELISA
Immunohistochemistry (IHC)
POSITIVE CONTROL: Human colon cancer tissue
CONCENTRATION: 0.1 mg/ml
WORKING DILUTION: Immunoblotting: 1:100 - 1:200
ELISA: starting dilution: 1:100
IHC: 1:5-1:10
The optimal working dilution should be determined by serial dilution
STORAGE: 2-8°C for immediate use, or at -20°C (aliquot)

REFERENCE:
Ramani K, et al., (2008) Hepatology 47(2):521-531
Chen H, et al., (2007) Gastroenterology 133(1):207-218

Western blot analysis
Cell lysates of HepG2 (20ug) were resolved by SDS-PAGE, transferred to NC membrane and probed with anti-human MAT2A (1:100). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system



Immunohistochemistry
Paraffin embedded sections of human colon cancer tissue were incubated with anti-human MAT2A (1:5) for 2 hours at room temperature. Antigen retrieval was performed in 0.1M sodium citrate buffer and detected using Diaminobenzidine (DAB).



Human colon cancer tissue

489 Common Street, Belmont, MA 02478, USA; Email: info@arp1.com or staff@arp1.com
Phone: 800-832-2611 or 617-489-1120 Fax: 888-832-2613 or 617-489-5120