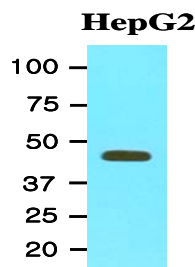


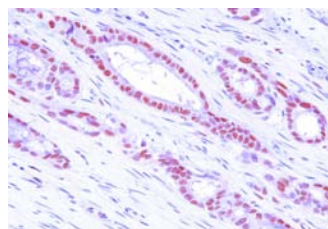
Product: Anti-MAT2A, human
Catalog #: 01-2506
Amount: 100 µl

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% NaN₃ 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

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