

32-5992: Mouse Anti Human Methionine Adenosyltransferase II Alpha(Clone:PAT3A2AT.)

Clonality :	Monoclonal
Clone Name :	PAT3A2AT.
Application :	ELISA,WB ,IHC
Gene :	MAT2A
Gene ID :	4144
Uniprot ID :	P31153
Format :	Purified
Alternative Name :	MATA2,MATII,SAMS2,MAT-2A,S-adenosylmethionine synthetase isoform type-2,AdoMet synthetase 2,Methionine adenosyltransferase 2,Methionine adenosyltransferase II,MAT2A,AMS2.
Isotype :	Mouse IgG2b heavy chain and ? light chain.
Immunogen Information :	Anti-human MAT2A mAb is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with recombinant human MAT2A amino acids 1-395 purified from E. coli.

Description

MAT2A is an important 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. NF-kappa B and AP-1 are necessary for basal MAT2A expression in HepG2 cells and mediate the increase in MAT2A expression in response to TNF-alpha. Up-regulation of MAT2A provides growth improvement and s-adenosylmethionine and methylthioadenosine thus can block mitogenic signaling in colon cancer cells. Lower expression of both MAT2A and MAT2beta and interfere with leptin signaling in liver cancer cells.

Product Info

Amount :	20 µg
Purification :	MAT2A antibody was purified from mouse ascitic fluids by protein-G affinity chromatography.
Content :	1mg/ml containing PBS, pH-7.4, & 0.1% Sodium Azide.
Storage condition :	For periods up to 1 month store at 4°C, for longer periods of time, store at -20°C. Prevent freeze thaw cycles.

Application Note

MAT2A antibody has been tested by ELISA, Western blot and immunohistochemistry analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results. Recommended dilution range for Western blot is 1:1,000 ~ 1:2,000 and immunohistochemistry analysis is 1:50~100. Recommended starting dilution for Western blot is 1:1,000 and Immunohistochemistry is 1:50.