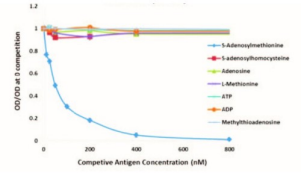
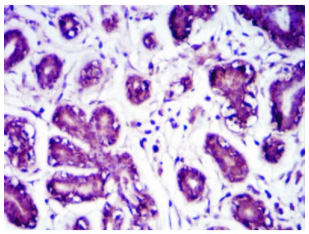
S-Adenosyl Methionine (SAMe) Antibody

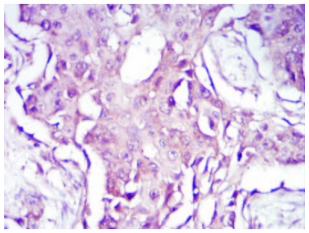
Catalogue No.:abx120502



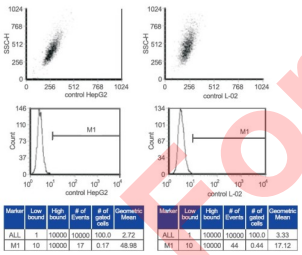
Competitive ELISA analysis.



IHC-P analysis of benign breast tissue adjacent to carcinoma, using S-Adenosyl Methionine (SAMe) Antibody. Brown areas indicated strong positive cytoplasmic and nuclear staining.



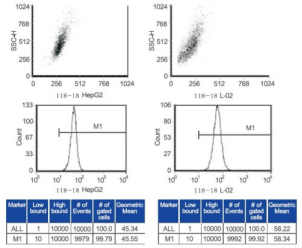
IHC-P analysis of breast cancer tissue, using S-Adenosyl Methionine (SAMe) Antibody, showing negative cytoplasmic and nuclear staining.



Marker	Low bound	High bound	# of Events	# of gated cells	Geometric Mean
ALL	1	10000	10000	100.0	2.72
M1	10	10000	17	0.17	48.98

Marker	Low bound	High bound	# of Events	# of gated cells	Geometric Mean
ALL	1	10000	10000	100.0	3.33
M1	10	10000	44	0.44	17.12

FCM analysis of Control: Normal liver cells L02 and hepatocyte carcinoma cells HepG2 stained with buffer without antibody.



Marker	Low bound	High bound	# of Events	# of gated cells	Geometric Mean
ALL	1	10000	10000	100.0	45.34
M1	10	10000	9979	99.79	45.55

Marker	Low bound	High bound	# of Events	# of gated cells	Geometric Mean
ALL	1	10000	10000	100.0	58.22
M1	10	10000	9992	99.92	58.34

FCM analysis of normal liver cell line L02 and hepatocyte carcinoma cell line HepG2, using S-Adenosyl Methionine (SAMe) Antibody. Average fluorescence signal in HepG2 cells was found to be reduced as compared to that in L02 cells, indicating reduced level of SAM during carcinogenesis.

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S-Adenosyl Methionine (SAMe) Antibody is a mouse monoclonal antibody.

Target:	S-Adenosyl Methionine (SAMe)
Clonality:	Monoclonal
Clone:	Z038
Reactivity:	General
Tested Applications:	ELISA, IHC, FCM
Host:	Mouse
Recommended dilutions:	Competitive ELISA: 1/4000 - 1/10,000, IHC: 1/400, FCM: 1/400. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	S-Adenoyslmethionine analog conjugated to KLH.
Isotype:	IgG_{2b}
Form:	Liquid
Biological Activity:	Affinity: K_a = 7.68 × 10^9 L/mol (1.30 × 10^{-10} M).
Purity:	> 95%
Purification:	Purified from mouse ascites by affinity chromatography.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
Buffer:	10 mM PBS, pH 7.4, containing 150 mM NaCl, 0.02% NaN3, 10 mg/ml BSA and 50% glycerol.
Specificity:	Cross-reactivity: S-Adenosylmethionine: 100% S-Adenosylhomocysteine: < 1% Adenosine: < 1% L-Methionine: < 1% Methylthioadenosine (MTA): < 1% Adenosine diphosphate (ADP): < 1% Adenosine triphosphate: < 1%
Concentration:	0.5 mg/ml

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