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36-3138: Anti-Spermidine or Spermine N1-Acetyltransferase 1 Monoclonal Antibody(Clone: CPTC-SAT1-3)

Clonality :	Monoclonal
Clone Name :	CPTC-SAT1-3
Application :	ELISA
Reactivity :	Human
Gene :	SAT1
Gene ID :	6303
Uniprot ID :	P21673
Alternative Name :	DC21, Diamine acetyltransferase 1; Diamine N acetyltransferase 1; EC 2.3.1.57; KDSD; KSDX; Polyamine N acetyltransferase 1; Putrescine acetyltransferase; SAT1; spermidine/spermine N1 acetyltransferase alpha; SSAT; SSAT1
Isotype :	Mouse IgG2a, kappa
Immunogen Information :	Recombinant full-length human SAT1 protein

Description

Spermidine/spermine N1-acetyltransferase 1 (SAT1 or SSAT1) is the key regulatory enzyme in the catabolism of polyamines, catalyzing acetylation of spermidine or spermine to generate N1-acetyl spermidine or N1-acetyl spermine, and N1, N12-diacetylspermine. The cellular level of SAT1 is normally extremely low, but it is induced rapidly by a variety of stimuli, including polyamines, polyamine analogs, toxic chemicals, certain drÂµgs, and growth factors. Downregulation of SAT1 has been reported in Epstein-Barr virus positive Burkitt's lymphoma cells.

Product Info

Amount :	20 µg / 100 µg
Content :	200 µg/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Storage condition :	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous.

Application Note

ELISA (For coating, order Ab without BSA);

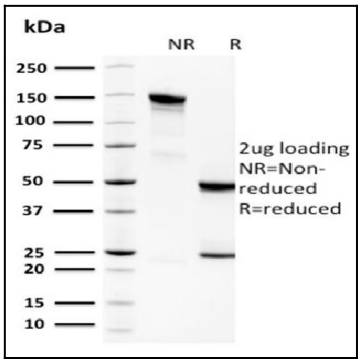

Fig. 1: SDS-PAGE Analysis Purified Spermidine Monoclonal Antibody (CPTC-SAT1-3). Confirmation of Purity and Integrity of Antibody

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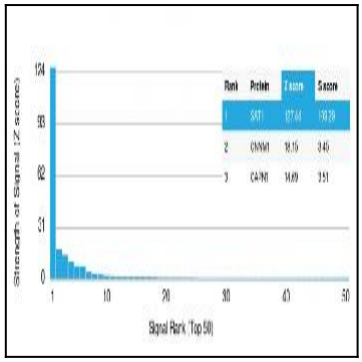

Fig. 2: Analysis of Protein Array containing more than 19,000 full-length human proteins using Spermidine Monoclonal Antibody (CPTC-SAT1-3). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (Monoclonal Antibody) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProtTM array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProtTM are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a Monoclonal Antibody to its intended target. A Monoclonal Antibody is considered to specific to its intended target, if the Monoclonal Antibody has an S-score of at least 2.5. For example, if a Monoclonal Antibody binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that Monoclonal Antibody to protein X is equal to 29.