

## Monoclonal Antibody to SREBP2 - Purified

<b>Alternate names:</b>	SREBP-2
<b>Catalog No.:</b>	AM00503PU-N
<b>Quantity:</b>	0.1 mg
<b>Background:</b>	SREBP-1 and -2 are transcription factors which participate in the control of cholesterol homeostasis. SREBPs proteins, which are attached to the endoplasmic reticulum and nuclear envelope, are proteolytically cleaved and thus activated in response to conditions of low cellular sterol. Upon activation of SREBP-1 or -2, an ~ 480-500 amino acid, Nterminal cleavage fragment of these proteins enters the nucleus and activates transcription of enzymes and other proteins required for cholesterol synthesis. SCA (SREBP-cleavage activity) and caspase-3 proteases cleave SREBPs. SREBP proteins containing point mutations at caspase-3 cleavage sites (Asp460 in SREBP-1 and Asp468 in SREBP-2) do not become cleaved following induction of apoptosis, suggesting that SREBPs may play some role in apoptotic processes.
<b>Host / Isotype:</b>	Mouse / IgG1
<b>Recommended Isotype Controls:</b>	SM10P (for use in human samples), AM03095PU-N
<b>Clone:</b>	1C6
<b>Immunogen:</b>	Recombinant protein encoding C-terminal amino acids 833-1141 of human SREBP-2
<b>Applications:</b>	Immunoprecipitation (Not verified). Western Blotting: 1-2 µg/ml for 2 hrs at RT. Positive Control: HeLa and IMR5 cells. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	This antibody detects SREBP-2 at aa 833-1141. <b>Species:</b> human. Other species not tested.
<b>Add. Information:</b>	Mol. Wt. of Antigen: 125 kDa (precursor) and 60-70 kDa (cleaved) Cellular Localization: Cytoplasmic and nuclear
<b>Storage:</b>	Store the antibody at 2 - 8 °C up to one month or in aliquots at -20 °C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
<b>General Readings:</b>	1. Wang, X., et al. (1995) J. Biol. Chem. 270:18044-18050. 2. Wang, X., et al. (1996) EMBO J. 15:1012-1020. 3. Sato, R., et al. (1994) J. Biol. Chem. 269:17267-17273.