

Rabbit anti-Human SREBF2 Polyclonal Antibody | anti-SREBF2 antibody

SREBF2 Antibody (Center)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA286444	Rabbit	Human	Western Blot, Immunofluorescence, Immunohistochemistry, ELISA

PRODUCT SYNONYMS

SREBF2; Polyclonal Antibody; SREBF2 Antibody (Center); Sterol regulatory element-binding protein 2; SREBP-2; Class D basic helix-loop-helix protein 2; bHLHD2; Sterol regulatory element-binding transcription factor 2; Processed sterol regulatory element-binding protein 2; BHLHD2; SREBP2; anti-SREBF2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This SREBF2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 399-427 amino acids from the Central region of human SREBF2.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.49 (varies by lot)
Sequence Positions	399-427
Sequence Length	1141
Applicable Applications for anti-SREBF2 antibody	WB (Western Blot), IF (Immunofluorescence), IHC (Immunohistochemistry), ELISA
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

SREBF2 antibody (Center) immunohistochemistry analysis in formalin fixed and paraffin embedded human skin carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the SREBF2 antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)

SREBF2 Antibody (Center) western blot analysis in HepG2 cell line lysates (35ug/lane). This demonstrates the SREBF2 antibody detected the SREBF2 protein (arrow).



IF (Immunofluorescence)

Fluorescent image of U251 cell stained with SREBF2 Antibody (Center). U251 cells were fixed with 4% PFA (20 min), permeabilized with Triton X-100 (0.1%, 10 min), then incubated with SREBF2 primary antibody (1:25, 1 h at 37 degree). For secondary antibody, Alexa Fluor 488 conjugated donkey anti-rabbit antibody (green) was used (1:400, 50 min at 37 degree).Cytoplasmic actin was counterstained with Alexa Fluor 555 (red) conjugated Phalloidin (7units/ml, 1 h at 37 degree).SREBF2 immunoreactivity is localized to Nucleus and Nucleolus significantly.

ADDITIONAL INFORMATION

Related Product Information for anti-SREBF2 antibody	SREBPs, including SREBP-1a, SREBP-1c, and SREBP-2, constitute a family of basic helix-loop-helix (bHLH) transcription factors that play a critical role in lipid homeostasis by regulating genes involved in cholesterol and fatty acid metabolism. Each SREBP consists of three domains, including an amino-terminal transcription factor domain of ~480 amino acids, a middle hydrophobic region of ~80 amino acids containing two hydrophobic transmembrane segments, and a carboxy-terminal regulatory domain of ~590 amino acids. SREBP-2 regulates cholesterol synthesis by activating the transcription of genes for HMG-CoA reductase and other enzymes of the cholesterol synthetic pathway. SREBP-2 is ubiquitously detected in various tissues. Under basal conditions SREBP is bound to ER membranes as a glycosylated precursor protein. Upon cholesterol depletion, the protein is cleaved to its active forms (about 50-68 kDa) and translocated into the nucleus to stimulate transcription of genes involved in the uptake and synthesis of cholesterol.
Product Categories/Family for anti-SREBF2 antibody	Cancer; Cardiovascular; Metabolism
References	Gerin, I., et al. J. Biol. Chem. 285(44):33652-33661(2010) Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010) Marquart, T.J., et al. Proc. Natl. Acad. Sci. U.S.A. 107(27):12228-12232(2010) Najafi-Shoushtari, S.H., et al. Science 328(5985):1566-1569(2010) Pramfalk, C., et al. J. Lipid Res. 51(6):1354-1362(2010)

NCBI AND UNIPROT INFORMATION

NCBI GI #	27477113
NCBI GeneID	6721
NCBI Accession #	NP_004590.2
NCBI GenBank Nucleotide #	NM_004599.3
UniProt Accession #	Q12772; Q05BD5; Q6GTH7; Q86V36; Q9UH04
Molecular Weight	123688
NCBI Official Full Name	sterol regulatory element-binding protein 2
NCBI Official Synonym Full Names	sterol regulatory element binding transcription factor 2
NCBI Official Symbol	SREBF2
NCBI Official Synonym Symbols	SREBP2; bHLHd2; SREBP-2
NCBI Protein Information	sterol regulatory element-binding protein 2
UniProt Protein Name	Sterol regulatory element-binding protein 2
UniProt Gene Name	SREBF2
UniProt Synonym Gene Names	BHLHD2; SREBP2; SREBP-2; bHLHd2
UniProt Entry Name	SRBP2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/srebtf2-antibody-western-blot-immunofluorescence-immunohistochemistry-elisa/286444>