Rabbit SREBF1 Polyclonal Antibody | anti-SREBF1 antibody

SREBF1 Antibody (Center)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA286144	**Rabbit**	**Human (Predicted Reactivity: Hamster, Mouse, Rat)**	**Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot**

PRODUCT SYNONYMS

SREBF1; Polyclonal Antibody; SREBF1 Antibody (Center); Sterol regulatory element-binding protein 1; SREBP-1; Class D basic helix-loop-helix protein 1; bHLHd1; Sterol regulatory element-binding transcription factor 1; Processed sterol regulatory element-binding protein 1; BHLHD1; SREBP1; anti-SREBF1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Hamster, Mouse, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This SREBF1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 349-378 amino acids from the Central region of human SREBF1.
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: 0.444 (varies by lot)
Sequence Positions	349-378
Sequence Length	446
Applicable Applications for anti-SREBF1 antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
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

FCM/FACS (Flow Cytometry)
SREBF1 Antibody (Center) flow cytometry analysis of Ramos cells (bottom histogram) compared to a negative control cell (top histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

IHC (Immunohiostchemistry)
Formalin-fixed and paraffin-embedded human breast carcinoma reacted with SREBF1 Antibody (Center), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

WB (Western Blot)
Western blot analysis of SREBF1 Antibody (Center) in MDA-MB435 cell line lysates (35ug/lane). SREBF1 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-SREBF1 antibody	SREBF1 is a transcription factor that binds to the sterol regulatory element-1 (SRE1), which is a decamer flanking the low density lipoprotein receptor gene and some genes involved in sterol biosynthesis. The protein is synthesized as a precursor that is attached to the nuclear membrane and endoplasmic reticulum. Following cleavage, the mature protein translocates to the nucleus and activates transcription by binding to the SRE1. Sterols inhibit the cleavage of the precursor, and the mature nuclear form is rapidly catabolized, thereby reducing transcription. The protein is a member of the basic helix-loop-helix-leucine zipper (bHLH-Zip) transcription factor family.
Product Categories/Family for anti-SREBF1 antibody	Cancer; Cardiovascular; Metabolism
References	Wang,X., et.al., Cell 77 (1), 53-62 (1994)

NCBI AND UNIPROT INFORMATION

NCBI GI #	52630419
NCBI GeneID	6720
NCBI Accession #	NP_001005291.1; NP_004167.3
NCBI GenBank Nucleotide #	NM_001005291.2
UniProt Accession #	P36956; Q16062; Q59F52; Q6P4R7; Q6PFW7; Q6PJ36; Q8TAK9; B0I4X3; B0I4X4; D3DXC4
Molecular Weight	121675
NCBI Official Full Name	sterol regulatory element-binding protein 1 isoform a
NCBI Official Synonym Full Names	sterol regulatory element binding transcription factor 1
NCBI Official Symbol	SREBF1
NCBI Official Synonym Symbols	SREBP1; bHLHd1; SREBP-1c
NCBI Protein Information	sterol regulatory element-binding protein 1
UniProt Protein Name	Sterol regulatory element-binding protein 1
UniProt Gene Name	**SREBF1**
UniProt Synonym Gene Names	BHLHD1; SREBP1; SREBP-1; bHLHd1
UniProt Entry Name	SRBP1_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.

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