PRODUCT DATA SHEET

SRBP2 Polyclonal Antibody

Catalog No.	IPB0306
Reactivity	Human; Mouse; Rat
Applications	WB; ELISA
Dilution	WB: 1:500-2000 ELISA: 1:5000-20000
Gene Name	SREBF2 BHLHD2 SREBP2
Protein Name	Sterol regulatory element-binding protein 2 (SREBP-2) (Class D basic helix-loop-helix protein 2) (bHLHd2) (Sterol regulatory element-binding transcription factor 2) [Cleaved into/ Processed sterol regulatory element-binding protein 2]
Human Gene Id	6721
Swiss-Prot	Q12772
Formulation	Liquid in PBS containing 50% glycerol, and 002% sodium azide
Source	Rabbit
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Concentration	1 mg/ml
Storage&Stability	-20°C/1 year
Subcellular Location	[Sterol regulatory element-binding protein 2]: Endoplasmic reticulum membrane; Multi-pass membrane protein Golgi apparatus membrane; Multi-pass membrane protein Cytoplasmic vesicle, COPII-coated vesicle membrane; Multi-pass membrane protein At high sterol concentrations, the SCAP-SREBP is retained in the endoplasmic reticulum (PubMed:32322062) Low sterol concentrations promote recruitment into COPII-coated vesicles and transport of the SCAP-SREBP to the Golgi, where it is processed (PubMed:32322062) [Processed sterol regulatory element-binding protein 2]: Nucleus Transported into the nucleus with the help of importin-beta Dimerization of the bHLH domain is a prerequisite for importin beta-dependent nuclear import
MW	-
Background	This gene encodes a member of the a ubiquitously expressed transcription factor that controls cholesterol homeostasis by regulating transcription of sterol-regulated genes The encoded protein contains a basic helix-loop-helix-leucine zipper (bHLH-Zip) domain and binds the sterol regulatory element 1 motif Alternate splicing results in multiple transcript variants

Products Images:

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Western blot analysis of lysates from HCT116 cells, primary antibody was diluted at 1:1000, 4°over night