

SREBF2 / SREBP2 Antibody (Internal)
Rabbit Polyclonal Antibody
Catalog # ALS16434**Specification****SREBF2 / SREBP2 Antibody (Internal) - Product Information**

Application	WB, IF
Primary Accession	Q12772
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	124kDa KDa

SREBF2 / SREBP2 Antibody (Internal) - Additional Information**Gene ID** 6721**Other Names**

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, SREBF2, BHLHD2, SREBP2

Target/Specificity

SREBF2 antibody is human and mouse reactive. At least three isoforms of SREBF2 are known to exist. SREBF2 antibody is predicted not to cross-react with SREBF1.

Reconstitution & Storage

Long term: -20°C; Short term: +4°C. Avoid repeat freeze-thaw cycles.

Precautions

SREBF2 / SREBP2 Antibody (Internal) is for research use only and not for use in diagnostic or therapeutic procedures.

SREBF2 / SREBP2 Antibody (Internal) - Protein Information**Name** SREBF2 {ECO:0000303|PubMed:32322062, ECO:0000312|HGNC:HGNC:11290}**Function**

[Sterol regulatory element-binding protein 2]: Precursor of the transcription factor form (Processed sterol regulatory element-binding protein 2), which is embedded in the endoplasmic reticulum membrane (PubMed:32322062). Low sterol concentrations promote processing of this form, releasing the transcription factor form that translocates into the nucleus and activates transcription of genes involved in cholesterol biosynthesis (PubMed:32322062).

Cellular 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. Note=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).

Tissue Location

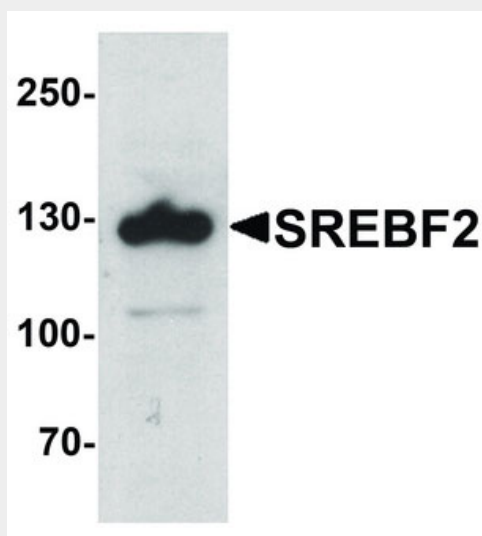
Ubiquitously expressed in adult and fetal tissues.

SREBF2 / SREBP2 Antibody (Internal) - Protocols

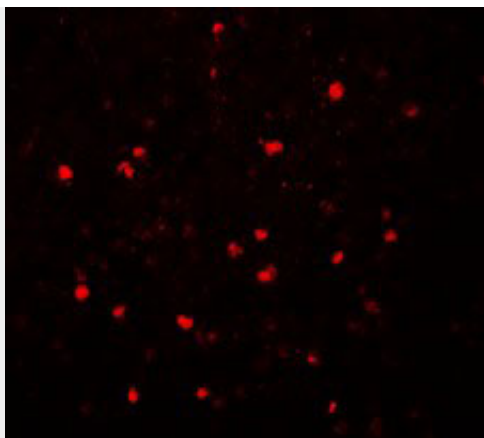
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

SREBF2 / SREBP2 Antibody (Internal) - Images



Western blot analysis of SREBF2 in PC-3 cell lysate with SREBF1 antibody at 1 ug/ml.



Immunofluorescence of SREBF2 in human spleen tissue with SREBF2 antibody at 20 ug/mL.

SREBF2 / SREBP2 Antibody (Internal) - Background

Transcriptional activator required for lipid homeostasis. Regulates transcription of the LDL receptor gene as well as the cholesterol and to a lesser degree the fatty acid synthesis pathway (By similarity). Binds the sterol regulatory element 1 (SRE-1) (5'-ATCACCCCAC-3') found in the flanking region of the LDRL and HMG-CoA synthase genes.

SREBF2 / SREBP2 Antibody (Internal) - References

Hua X.,et al.Proc. Natl. Acad. Sci. U.S.A. 90:11603-11607(1993).
Collins J.E.,et al.Genome Biol. 5:R84.1-R84.11(2004).
Dunham I.,et al.Nature 402:489-495(1999).
Yokoyama C.,et al.Cell 75:187-197(1993).
Hua X.,et al.J. Biol. Chem. 271:10379-10384(1996).