

SREBF2 antibody - middle region
Rabbit Polyclonal Antibody
Catalog # AI16231

Specification

SREBF2 antibody - middle region - Product Information

Application	WB
Primary Accession	Q12772
Other Accession	NM_004599 , AAH51385
Reactivity	Human, Rat, Horse, Bovine, Guinea Pig, Dog
Predicted	Human, Rat, Chicken, Horse, Bovine, Guinea Pig, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	74kDa KDa

SREBF2 antibody - middle region - Additional Information

Gene ID 6721

Alias Symbol SREBP2, bHLHd2

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

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-SREBF2 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

SREBF2 antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

SREBF2 antibody - middle region - 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

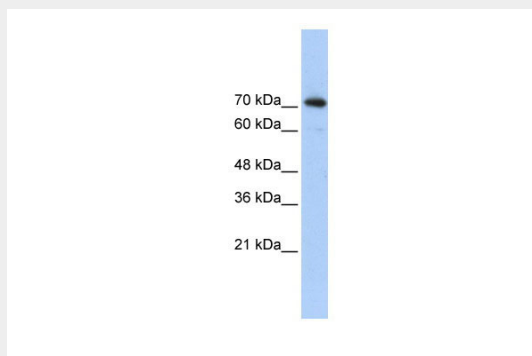
Ubiquitously expressed in adult and fetal tissues.

SREBF2 antibody - middle region - 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 antibody - middle region - Images



WB Suggested Anti-SREBF2 Antibody Titration: 0.2-1 µg/ml

ELISA Titer: 1:7812500

Positive Control: Transfected 293T

SREBF2 is supported by BioGPS gene expression data to be expressed in HEK293T

SREBF2 antibody - middle region - 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'-ATCACCCAC-3') found in the flanking region of the LDLR and HMG-CoA synthase genes.

SREBF2 antibody - middle region - 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).