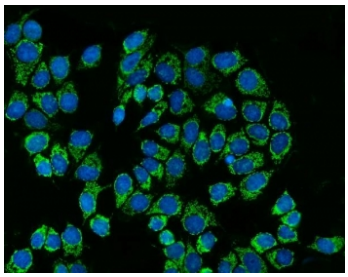
SREBP2 Antibody / SREBF2 (RQ6804)

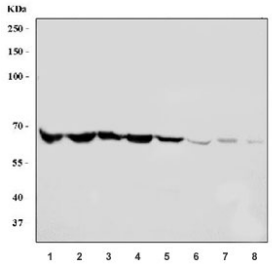
Catalog No.	Formulation	Size
RQ6804	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

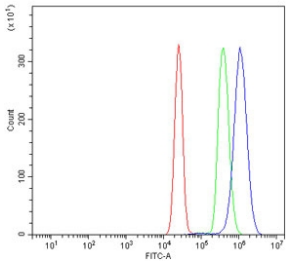
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q12772
Localization	Cytoplasmic, nuclear
Applications	Western Blot : 1-2ug/ml Immunofluorescence (FFPE) : 5ug/ml Flow Cytometry : 1-3ug/million cells Direct ELISA : 0.1-0.5ug/ml
Limitations	This SREBP2 antibody is available for research use only.



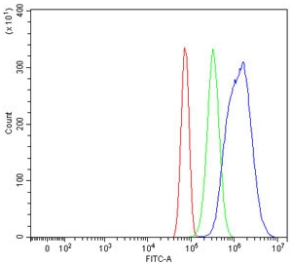
Immunofluorescent staining of FFPE human MCF7 cells with SREBP2 antibody (green) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



Western blot testing of 1) human ThP-1, 2) human Jurkat, 3) human Raji, 4) human HL60, 5) rat stomach, 6) rat testis, 7) mouse stomach and 8) rat testis tissue lysate with SREBP2 antibody. Predicted molecular weight ~124 kDa but may be observed at higher molecular weights due to glycosylation. The active form of this protein can be observed at 50-68 kDa.



Flow cytometry testing of human K562 cells with SREBP2 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= SREBP2 antibody.



Flow cytometry testing of rat RH35 cells with SREBP2 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= SREBP2 antibody.

Description

Sterol regulatory element-binding protein 2 (SREBP-2) also known as sterol regulatory element binding transcription factor 2 (SREBF2) is a protein that in humans is encoded by the SREBF2 gene. 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.

Application Notes

Optimal dilution of the SREBP2 antibody should be determined by the researcher.

Immunogen

Recombinant human protein (amino acids R371-L409) was used as the immunogen for the SREBP2 antibody.

Storage

After reconstitution, the SREBP2 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.