

## Anti-SREBP2 Polyclonal Antibody

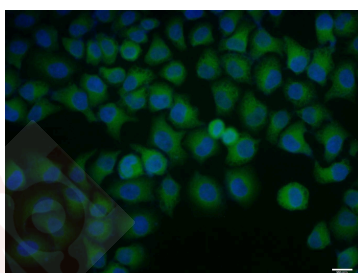
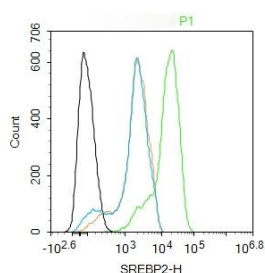
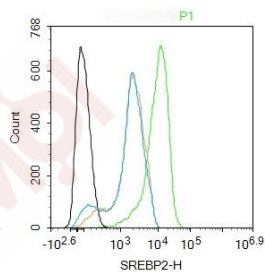
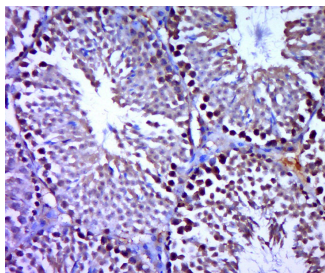
## Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse (predicted:Rat,Pig,Horse)
Molecular Weight:	Theoretical: 126 kDa.
Purification:	Protein A purified

## Applications

1. Paraformaldehyde-fixed, paraffin embedded (mouse testis tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (SREBP2) Polyclonal Antibody, Unconjugated (TMAB-01775) at 1:400 overnight at 4°C, followed by a conjugated secondary for 20 min and DAB staining.
2. Blank control (black line): HepG2. Primary Antibody (green line): Rabbit Anti-SREBP2 antibody (TMAB-01775)  
Dilution: 1 µg/Test;  
Secondary Antibody (white blue line): Goat anti-rabbit IgG-AF488  
Dilution: 0.5 µg/Test.  
Isotype control (orange line): Normal Rabbit IgG  
Protocol  
The cells were fixed with 4% PFA (10 min at room temperature) and then permeabilized with 90% ice-cold methanol for 20 min at -20°C, The cells were then incubated in 5% BSA to block non-specific protein-protein interactions for 30 min at room temperature. Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature.
3. Blank control (black line): HepG2. Primary Antibody (green line): Rabbit Anti-SREBP2 antibody (TMAB-01775)  
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4. HepG2 cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum) at 37°C for 20 min; Antibody incubation with (SREBP2) polyclonal Antibody, Unconjugated (TMAB-01775) 1:100, 90 minutes at 37°C; followed by a conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue) was used to stain the cell nucleus.

Verified Activity:



Application: FCM,ICC/IF,IF,IHC-Fr,IHC-P

Recommended FCM=1 µg/Test; ICC/IF=1:100-500; IF=1:100-500; IHC-Fr=1:100-500; IHC-P=1:100-500

### Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

### Antigen Details

Immunogen: KLH conjugated synthetic peptide: human SREBP-2

Antigen Species: Human

Gene ID: 6721

Uniprot ID: Q12772

Synonyms: SREBP-2;Sterol Regulatory Element Binding Protein-2;Srebf2\_retired;Sterol regulatory element-binding transcription factor 2;SRBP2;SRBP 2;Sterol regulatory element-binding protein 2;Class D basic helix-loop-helix protein 2;bHLHd2;Processed sterol regulatory element-binding protein 2;MGC124823

Biology Area: Metabolism of lipids and lipoproteins,Cholesterol Metabolism,HLH / Leucine Zipper,

**Research 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.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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