

bs-55193R**[Primary Antibody]****SCD Rabbit pAb****Bioss**
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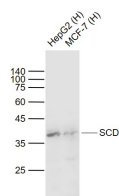
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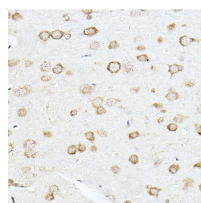
400-901-9800

— DATASHEET —**Host:** Rabbit**Isotype:** IgG**Clonality:** Polyclonal**GeneID:** 6319**SWISS:** O00767**Target:** SCD**Immunogen:** KLH conjugated synthetic peptide derived from human SCD: 200-359/359.**Purification:** affinity purified by Protein A**Concentration:** 1mg/ml**Storage:** 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

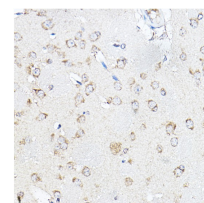
Store at -20°C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4°C.

Background: This gene encodes an enzyme involved in fatty acid biosynthesis, primarily the synthesis of oleic acid. The protein belongs to the fatty acid desaturase family and is an integral membrane protein located in the endoplasmic reticulum. Transcripts of approximately 3.9 and 5.2 kb, differing only by alternative polyadenylation signals, have been detected. A gene encoding a similar enzyme is located on chromosome 4 and a pseudogene of this gene is located on chromosome 17. [provided by RefSeq, Sep 2015]**Applications:** WB (1:500-2000)**IHC-P** (1:50-100)**IHC-F** (1:50-100)**IF** (1:50-100)**ICC/IF** (1:100)**Reactivity:** Human, Mouse, Rat**Predicted MW.:** 41 kDa**Subcellular Location:** Cell membrane ,Cytoplasm**— VALIDATION IMAGES —**

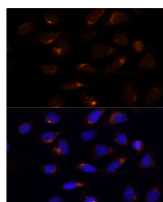
Sample: Lane 1: HepG2 (Human) Cell Lysate at 30 ug
 Lane 2: MCF-7 (Human) Cell Lysate at 30 ug
 Primary: Anti-SCD (bs-55193R) at 1/1000 dilution
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
 Predicted band size: 38 kD
 Observed band size: 38 kD



Paraformaldehyde-fixed, paraffin embedded (rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (SCD) Polyclonal Antibody, Unconjugated (bs-55193R) at 1:100 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (SCD) Polyclonal Antibody, Unconjugated (bs-55193R) at 1:100 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

U2-OS cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Antibody incubation with (KO Validated)SCD polyclonal Antibody, Unconjugated (bs-55193R) 1:100, 90 minutes at 37°C; followed by a conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue, C02-04002) was used to stain the cell nuclei.

— SELECTED CITATIONS —

- **[IF=7.9]** Yaxin Zhang. et al. Gualou-Xiebai-Banxia-Tang regulates liver-gut axis to ameliorate Metabolic Syndrome in HFD-fed mice. PHYTOMEDICINE. 2024 Jan;:155320 WB ;Mouse. 10.1016/j.phymed.2023.155320