bs-0455R **[Primary Antibody]**

HSL/LIPE Rabbit pAb

www.bioss.com.cn
sales@bioss.com.cn
techsupport@bioss.com.cn
400-901-9800

DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 25330 **SWISS:** P15304

Target: HSL/LIPE

Immunogen: KLH conjugated synthetic peptide derived from rat HSL: 261-360/1068.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: HSL/LIPE is found in adipose tissue and heart, where it primarily hydrolyzes stored triglycerides to free fatty acids. It is also found in steroidogenic tissues, where it principally converts cholesteryl esters to free cholesterol for steroid hormone production. There are two named isoforms.

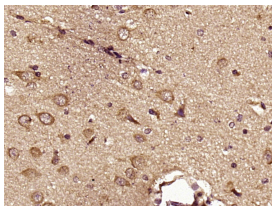
Applications: **IHC-P** (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)

Reactivity: Rat (predicted: Fruit Fly)

Predicted MW.: 116 kDa

Subcellular Location: Cell membrane ,Cytoplasm

VALIDATION IMAGES



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 (HSL LIPE) Polyclonal Antibody, Unconjugated (bs-0455R) at 1:400 overnight at 4°C, followed by a conjugated secondary antibody (sp-0023) for 20 minutes and DAB staining.

SELECTED CITATIONS

- **[IF=4.6]** Ma Dufang. et al. Excessive fat expenditure in MCT-induced heart failure rats is associated with BMAL1/REV-ERBα circadian rhythmic loop disruption. SCI REP-UK. 2024 Apr;14(1):1-18 WB ;Rat. 38584196
- **[IF=2.742]** Liu, Yanrong. et al. Cinnamaldehyde affects lipid droplets metabolism after adipogenic differentiation of C2C12 cells. MOL BIOL REP. 2022 Dec;:1-7 WB ;Mouse. 36538173
- **[IF=2]** Yankun Wang. et al. Investigation of seasonal changes in lipid synthesis and metabolism-related genes in the oviduct of Chinese brown frog (Rana dybowskii). EUR J HISTOCHEM. 2023 Oct 2; 67(4): 3890 IHC ;Rana dybowskii. 38116875