SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-HSL/LIPE antibody

Catalog Number: SL22905R

FOR RESEARCH USE ONLY

[DATASHEET]

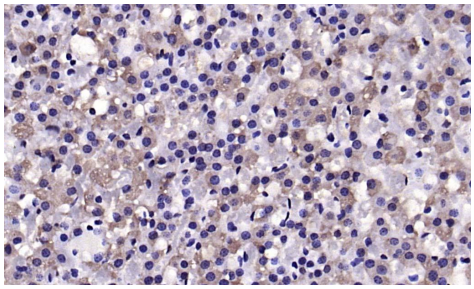
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	HSL/LIPE
Immunogen:	KLH conjugated synthetic peptide derived from human HSL/LIPE : 441-540/1076
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	IHC-P=1:400-800 IHC-F=1:400-800 IF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Rat(predicted:Human,Mouse,Pig,Cow,Sheep)
Predicted MW.:	116kDa
Subcellular Location:	cytoplasmic The cell membrane
Background:	HSL (hormone- sensitive lipase) is an enzyme involved in hydrolysis of stored triglycerides and fatty acids; important for regulation of energy homeostasis. It has a long and a short form, generated by use of alternative translational start codons. The long form is expressed in steroidogenic tissues such as testis, where it converts cholesteryl esters to free cholesterol for steroid hormone production. The short form is expressed in adipose tissue, among others, where it hydrolyzes stored triglycerides to free fatty acids. **Function:** In adipose tissue and heart, it primarily hydrolyzes stored triglycerides to free fatty acids, while in steroidogenic tissues, it principally converts cholesteryl esters to free cholesterol for steroid hormone production. **Subunit:** Interacts with PTRF in the adipocyte cytoplasm. **Subcellular Location:** Cell membrane. Membrane, caveola. Cytoplasm,

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	cytosol. **Similarity:** Belongs to the 'GDXG' lipolytic enzyme family. **Database links:** **Entrez Gene:** 3991 Human **Entrez Gene:** 16890 Mouse **Entrez Gene:** 25330 Rat Omim: 151750 Human **SwissProt:** Q05469 Human **SwissProt:** Q6NSL7 Human **SwissProt:** P54310 Mouse **SwissProt:** P15304 Rat **Unigene:** 656980 Human **Unigene:** 158548 Mouse **Unigene:** 333679 Mouse **Unigene:** 10566 Rat

[VALIDATION IMAGES]



Paraformaldehyde-fixed, paraffin embedded (rat adrenal gland); 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) Polyclonal Antibody, Unconjugated (SL22905R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.

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