



Rabbit Anti-OXSM antibody

SL17579R

Product Name:	OXSM
Chinese Name:	β -酮脂酰合成酶/ β -ketoacyl synthase抗体
Alias:	3 oxoacyl ACP synthase, mitochondrial; 3 oxoacyl acyl carrier protein synthase; 3-oxoacyl-[acyl-carrier-protein] synthase, mitochondrial; Acyl malonyl acyl carrier protein condensing enzyme; Beta ketoacyl ACP synthase; beta-ketoacyl synthase; beta-ketoacyl synthase, mitochondrial; Beta-ketoacyl-ACP synthase; C80494; FASN2D; FLJ20604; KASI; KS; OXSM; OXSM_HUMAN; type II mitochondrial beta ketoacyl synthase.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Rabbit,Guinea Pig,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	49kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human OXSM:261-360/459
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	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.
PubMed:	PubMed
Product Detail:	This gene encodes a beta-ketoacyl synthetase. The encoded enzyme is required for elongation of fatty acid chains in the mitochondria. Alternatively spliced transcript

variants have been described.[provided by RefSeq, Feb 2009]

Function:

May play a role in the biosynthesis of lipoic acid as well as longer chain fatty acids required for optimal mitochondrial function.

Subcellular Location:

Mitochondrion.

Tissue Specificity:

Widely expressed. Higher expression in heart, skeletal muscle, liver and kidney which contain high levels of active mitochondria.

Similarity:

Belongs to the beta-ketoacyl-ACP synthases family.

SWISS:

Q9NWU1

Gene ID:

54995

Database links:

[Entrez Gene: 513530](#) Cow

[Entrez Gene: 54995](#) Human

[Entrez Gene: 71147](#) Mouse

[Entrez Gene: 289934](#) Rat

[Omim: 610324](#) Human

[SwissProt: Q0VCA7](#) Cow

[SwissProt: Q9NWU1](#) Human

[SwissProt: Q9D404](#) Mouse

[Unigene: 55781](#) Human

[Unigene: 197960](#) Mouse

[Unigene: 24121](#) Rat

Important Note:

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

www.sunlongbiotech.com