

ARG45325 anti-OXSM antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Polyclonal antibody recognizes OXSM
Tested Reactivity	Hu, Rat
Tested Application	FACS, ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Target Name	OXSM
Species	Human
Immunogen	Recombinant protein containing to human OXSM.
Conjugation	Un-conjugated
Alternate Names	OXSM; 3-Oxoacyl-ACP Synthase, Mitochondrial; FASN2D; CEM1; KS; 3-Oxoacyl-[Acyl-Carrier-Protein] Synthase, Mitochondrial; Beta-Ketoacyl-ACP Synthase; Beta-Ketoacyl Synthase; EC 2.3.1.41 47; FLJ20604; Acyl-Malonyl Acyl Carrier Protein-Condensing Enzyme; Type II Mitochondrial Beta-Ketoacyl Synthase; 3-Ketoacyl-Acyl Carrier Protein Synthase; 3-Oxoacyl-Acyl-Carrier-Protein Synthase; EC 2.3.1 47; KASI

Application Instructions

Application table	Application	Dilution
	FACS	1 - 3 µg/10 ⁶ cells
	ICC/IF	5 µg/ml
	IHC-P	2-5 µg/ml
	WB	0.25-0.5 µg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	46 kDa	

Properties

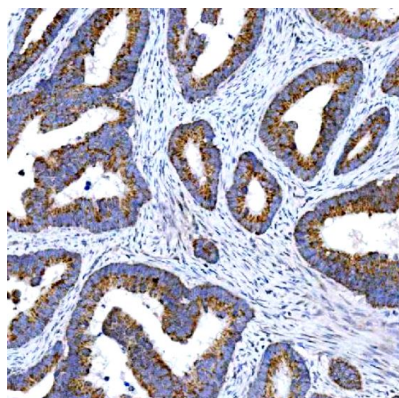
Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.2% Na ₂ HPO ₄ , 0.9% NaCl and 4% Trehalose.
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml

Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

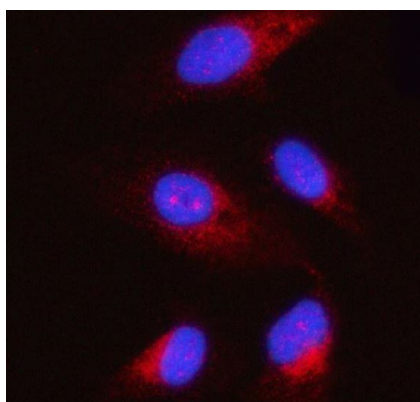
Gene Symbol	OXSM
Gene Full Name	3-Oxoacyl-ACP Synthase, Mitochondrial
Background	This gene encodes a beta-ketoacyl synthetase. The encoded enzyme is required for elongation of fatty acid chains in the mitochondria. Alternatively spliced transcript variants have been described.[provided by RefSeq, Feb 2009]
Function	May play a role in the biosynthesis of lipoic acid as well as longer chain fatty acids required for optimal mitochondrial function. [UniProt]
Calculated Mw	49 kDa
PTM	Acetylation. [UniProt]
Cellular Localization	Mitochondrion. [UniProt]

Images



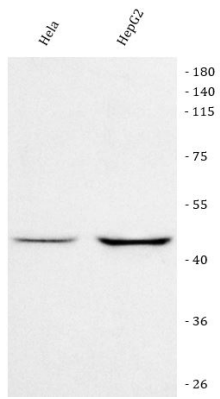
ARG45325 anti-OXSM antibody IHC-P image

Immunohistochemistry: Human Colorectal adenocarcinoma stained with ARG45325 anti-OXSM antibody at 2 µg/ml dilution.



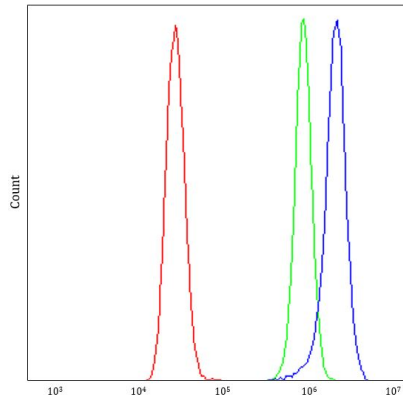
ARG45325 anti-OXSM antibody ICC/IF image

Immunofluorescence: PC-3 stained with ARG45325 anti-OXSM antibody at 5 µg/ml dilution.



ARG45325 anti-OXSM antibody WB image

Western blot: HeLa and HepG2 stained with ARG45325 anti-OXSM antibody at 0.5 $\mu\text{g}/\text{ml}$ dilution.



ARG45325 anti-OXSM antibody FACS image

Flow Cytometry: MCF-7 stained with ARG45325 anti-OXSM antibody at 1 $\mu\text{g}/10^6$ cells dilution.