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SCOT2 Rabbit pAb

Catalog # AP96771

Product Information

Application	WB
Primary Accession	Q9BYC2
Other Accession	Q9BYC2
Reactivity	Human
Predicted	Rat, Mouse, Rabbit, Chicken, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	56140
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human SCOT2
Epitope Specificity	101-200/517
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the 3-oxoacid CoA-transferase family.
SUBUNIT	Homodimer.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	OXCT2 is a testis-specific succinyl-CoA:3-oxoacid CoA transferase (EC 2.8.3.5), which catalyzes the reversible transfer of CoA from succinyl-CoA to acetoacetate in the first step of ketone body utilization. See also OXCT1 (MIM 601424).[supplied by OMIM, Mar 2008]

Additional Information

Gene ID	64064
Other Names	FKSG25; SCOTT; SCOT2_HUMAN; OXCT2; 3-oxoacid CoA-transferase 2A; Testis-specific succinyl-CoA:3-oxoacid CoA-transferase (SCOT-t); 2.8.3.5; 3-oxoacid CoA-transferase 2
Dilution	WB=1:500-2000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. 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.

Protein Information

Name	OXCT2

Function	Key enzyme for ketone body catabolism. Transfers the CoA moiety from succinate to acetoacetate. Formation of the enzyme-CoA intermediate proceeds via an unstable anhydride species formed between the carboxylate groups of the enzyme and substrate (By similarity).
Cellular Location	Mitochondrion.
Tissue Location	Testis specific..

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.