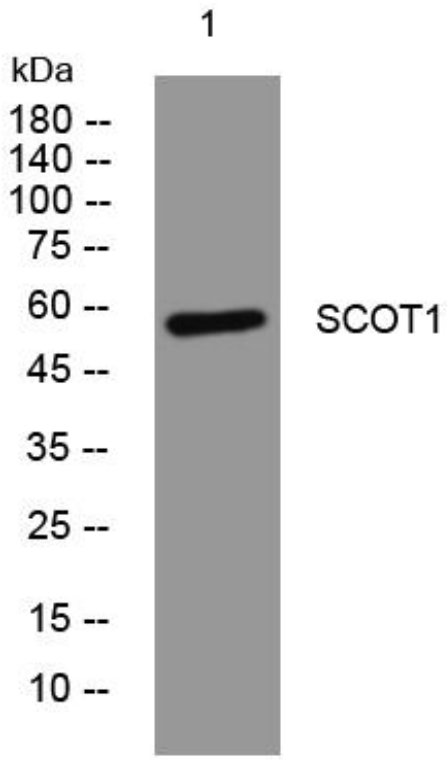
SCOT1 mouse mAb

Catalog No	BYmab-11917
Isotype	IgG
Reactivity	Human; Mouse;Rat
Applications	WB
Gene Name	OXCT1 OXCT SCOT
Protein Name	SCOT1
Immunogen	Synthesized peptide derived from human SCOT1 AA range: 105-155
Specificity	This antibody detects endogenous levels of SCOT1 at Human/Mouse/Rat
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	
Cell Pathway	Mitochondrion .
Tissue Specificity	Abundant in heart, followed in order by brain, kidney, skeletal muscle, and lung, whereas in liver it is undetectable. Expressed (at protein level) in all tissues (except in liver), most abundant in myocardium, then brain, kidney, adrenal glands, skeletal muscle and lung; also detectable in leukocytes and fibroblasts.
Function	catalytic activity:Succinyl-CoA + a 3-oxo acid = succinate + a 3-oxoacyl-CoA.,disease:Defects in OXCT1 are a cause of ketoacidosis [MIM:245050].,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.,pathway:Ketone metabolism; succinyl-CoA degradation; acetoacetyl-CoA from succinyl-CoA: step 1/1.,similarity:Belongs to the 3-oxoacid CoA-transferase family.,subunit:Homodimer.,tissue specificity:Abundant in heart, followed in order by kidney, brain, and muscle, whereas in liver it is undetectable; also detectable in

	leukocytes and fibroblasts.,
Background	This gene encodes a member of the 3-oxoacid CoA-transferase gene family. The encoded protein is a homodimeric mitochondrial matrix enzyme that plays a central role in extrahepatic ketone body catabolism by catalyzing the reversible transfer of coenzyme A from succinyl-CoA to acetoacetate. Mutations in this gene are associated with succinyl CoA:3-oxoacid CoA transferase deficiency. [provided by RefSeq, Jul 2008],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using SCOT1 mouse mAb