

ACOT4 Antibody

Catalog No: #34382

Package Size: #34382-1 50ul #34382-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

Description

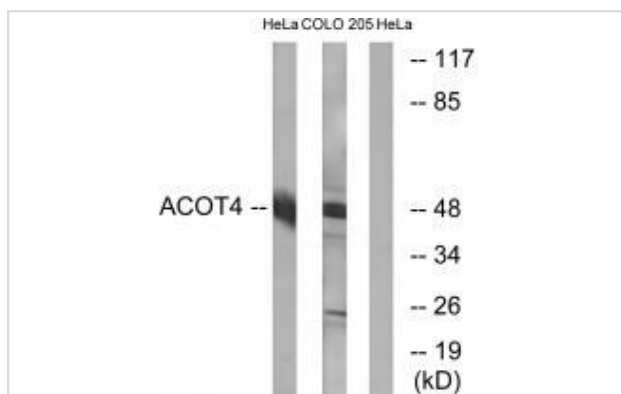
Product Name	ACOT4 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Applications	WB IF
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total ACOT4 protein.
Immunogen Type	Peptide
Immunogen Description	Synthesized peptide derived from internal of human ACOT4.
Target Name	ACOT4
Other Names	acyl-CoA thioesterase 4; acyl-coenzyme A thioesterase 4; EC 3.1.2.2; peroxisomal acyl coenzyme A thioester hydrolase 1b; peroxisomal long-chain acyl-CoA thioesterase 1b
Accession No.	Swiss-Prot: Q8N9L9NCBI Gene ID: 122970
Uniprot	Q8N9L9
GeneID	122970;
SDS-PAGE MW	48kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

Application Details

Western blotting: 1:500~1:3000

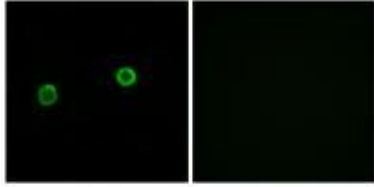
Immunofluorescence: 1:100~1:500

Images



Western blot analysis of extracts from HeLa cells and COLO cells, using ACOT4 antibody #34382.

Immunofluorescence analysis of MCF-7 cells, using ACOT4 antibody #34382.



Background

Acyl-CoA thioesterases are a group of enzymes that catalyze the hydrolysis of acyl-CoAs to the free fatty acid and coenzyme A (CoASH), providing the potential to regulate intracellular levels of acyl-CoAs, free fatty acids and CoASH. By similarity, Succinyl-CoA thioesterase that also hydrolyzes long chain saturated and unsaturated monocarboxylic acyl-CoAs.

Ota T., *Nat. Genet.* 36:40-45(2004).

Li W.B., Submitted (JAN-2003) to the EMBL/GenBank/DDBJ databases.

The MGC Project Team; *Genome Res.* 14:2121-2127(2004).

Note: This product is for in vitro research use only