

For Research Use Only

ACOT9 Monoclonal antibody

Catalog Number: 66532-1-Ig **1 Publications**



Basic Information

Catalog Number: 66532-1-Ig	GenBank Accession Number: BC012573	Purification Method: Protein A purification
Size: 150ul , Concentration: 1000 µg/ml by Nanodrop and 640 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 23597	CloneNo.: 3F10G5
Source: Mouse	Full Name: acyl-CoA thioesterase 9	Recommended Dilutions: WB 1:5000-1:20000 IHC 1:50-1:500
Isotype: IgG2b	Calculated MW: 24 kDa, 49 kDa	
Immunogen Catalog Number: AG8884	Observed MW: 43-50 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls:
Cited Applications: WB	WB : HEK-293 cells, RAW 264.7 cells, Jurkat cells, HSC-T6 cells
Species Specificity: Human, Rat, mouse	IHC : human colon cancer tissue,
Cited Species: human	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

ACOT9 (Acyl-coenzyme A thioesterase 9) is a member of the acyl-CoA thioesterase superfamily, which is 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. ACOT9 has 4 isoforms with the molecular mass of 43-50 kDa.

Notable Publications

Author	Pubmed ID	Journal	Application
Qifan Hu	37904651	Adv Sci (Weinh)	WB

Storage

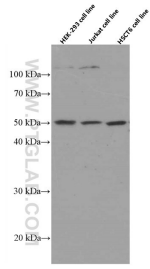
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

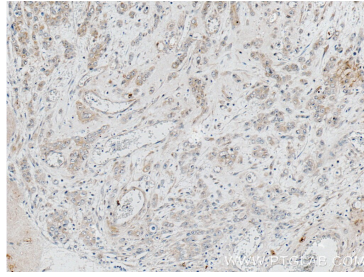
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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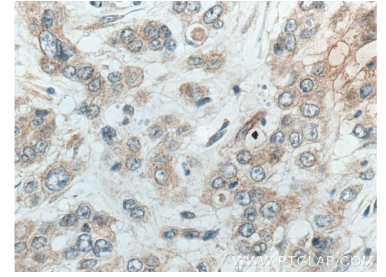
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 66532-1-Ig (ACOT9 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 66532-1-Ig (ACOT9 antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 66532-1-Ig (ACOT9 antibody) at dilution of 1:200 (under 40x lens).