

Allgemeine Informationen

Katalog-Nr.: 67373-1-Ig	GenBank-Zugangsnummer: BC137287	Reinigungsmethode: Protein-A-Reinigung
Größe: 150ul , Konzentration: 2100 µg/ml von31 Nanodrop und 1000 µg/ml durch die Bradford-Methode mit BSA als Standard;	GeneID (NCBI): 5193	CloneNo.: 1A11G10
Wirt: Maus	Vollständiger Name: acetyl-Coenzyme A carboxylase alpha	Empfohlene Verdünnungen: WB 1:10000-1:50000 IHC 1:500-1:2000 IF 1:400-1:1600
Isotyp: IgG2a	Berechnete Masse: 2383 aa, 275 kDa	
Immunogen Katalognummer: AG17503	Beobachtete Masse: 250-270 kDa	

Anwendungen

Geprüfte Anwendungen: IF, IHC, WB, ELISA	Positivkontrollen:
In Publikationen genannte Anwendungen: WB	WB : HeLa-Zellen, HEK-293-Zellen, HepG2-Zellen, Jurkat-Zellen, NIH/3T3-Zellen
Getestete Reaktivität: Human, Maus, Ratte	IHC : humanes Mammakarzinomgewebe,
Zitierte Arten: Human, Maus, Ratte	IF : HeLa-Zellen,
Hinweis-IHC: Antigenmaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigenmaskierung auch mit Citratpuffer pH 6,0 erfolgen.	

Hintergrundinformationen

ACACA (Acetyl-CoA carboxylase 1, ACC), also named as ACAC, ACC1 and ACCA, belongs to the biotin containing enzyme family. It catalyzes the synthesis of malonyl-CoA, which is an intermediate substrate playing a pivotal role in the regulation of fatty acid metabolism and energy production. ACACA is involved in the biosynthesis of fatty acids, and malonyl-CoA produced is used as a building block to extend the chain length of fatty acids by fatty acid synthase (FAS) (PMID:19900410). It has 4 isoforms produced by alternative promoter usage with the molecular weight between 260 kDa and 270 kDa.

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Zhao Yang	36120828	J Biochem Mol Toxicol	WB
Mengqiu Yuan	34472622	EMBO J	WB
Yujie Zhong	36501024	Nutrients	WB

Lagerung

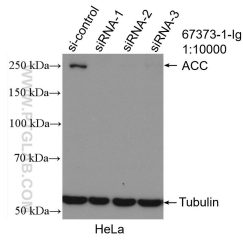
Lagerungsbedingungen:
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil
Lagerungspuffer:
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.
Aliquotieren ist nicht notwendig bei -20°C Lagerung

*** 20ul-Größen enthalten 0.1% BSA

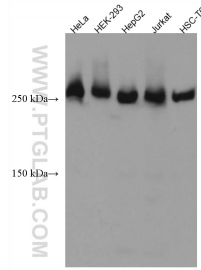
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

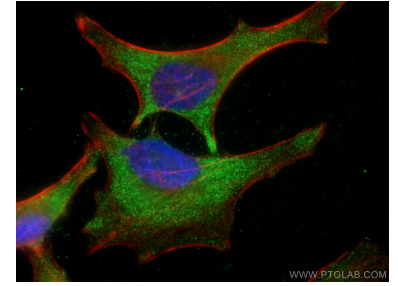
Ausgewählte Validierungsdaten



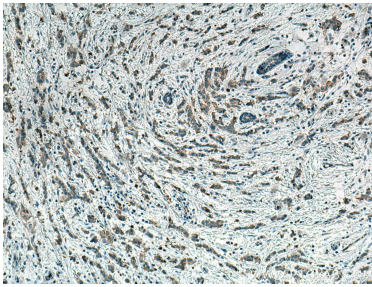
WB result of ACC1 antibody (67373-1-Ig; 1:10000; incubated at room temperature for 1.5 hours) with sh-Control and sh-ACC1 transfected HeLa cells.



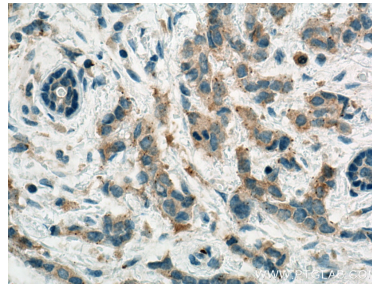
Various lysates were subjected to SDS PAGE followed by western blot with 67373-1-Ig (ACC1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using ACC1 antibody (67373-1-Ig, Clone: 1A11G10) at dilution of 1:800 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L), CL594-phalloidin (red).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 67373-1-Ig (ACC1 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 67373-1-Ig (ACC1 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).