

Nur für Forschungszwecke

ACOT7 Monoklonaler Antikörper

Katalog-Nr.:68140-1-Ig



Allgemeine Informationen

Katalog-Nr.: 68140-1-Ig	GenBank-Zugangsnummer: BC017365	Reinigungsmethode: Protein-A-Reinigung
Größe: 150ul , Konzentration: 1000 µg/ml von11332 Nanodrop;	GeneID (NCBI): 11332	CloneNo.: 1E9C7
Wirt: Maus	Vollständiger Name: acyl-CoA thioesterase 7	Empfohlene Verdünnungen: WB 1:5000-1:50000
Isotyp: IgG2a	Berechnete Masse: 370 aa, 40 kDa	
Immunogen Katalognummer: AG8975	Beobachtete Masse: 37 kDa	

Anwendungen

Geprüfte Anwendungen: WB, ELISA	Positivkontrollen: WB : LNCaP-Zellen, Hausschwein-Hirngewebe, HEK-293-Zellen, HeLa-Zellen, Jurkat-Zellen, K-562-Zellen, Kaninchenhirngewebe, NIH/3T3-Zellen
Getestete Reaktivität: Hausschwein, Human, Kaninchen, Maus, Ratte	

Hintergrundinformationen

Acyl-CoA thioesterases (ACOTs) are enzymes that catalyze hydrolysis of fatty acyl-CoAs to free fatty acids and CoA-SH. ACOTs are expressed ubiquitously in prokaryotes and eukaryotes (PMID: 11755680). ACOT7 also known as BACH, CTE-II, ACT, ACH1, BACHa, is one of the most extensively studied ACOTs as a major isoform of the ACOT family (PMID: 17563367). The enzyme is localized to the cytosol and is highly expressed in brain tissue and testis tissue, showing a preference for long-chain acyl-CoA substrates with fatty acid chains of 8-16 carbon atoms (C8-C16) (PMID: 28518146). It has been identified that ACOT7 plays a role in neurotoxic prevention and is a candidate drug target in inflammatory disease (PMID: 17563367, 23459938, 10509865). ACOT7 has 7 isoforms as molecular between 27-40 kDa, it may also form dimer (~70 kDa) (PMID: 20470824).

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**

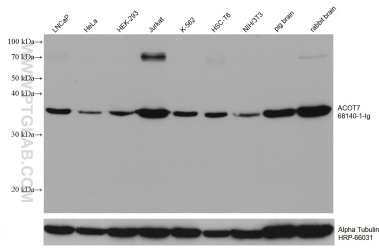
For technical support and original validation data for this product please contact:

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

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Ausgewählte Validierungsdaten



Various lysates were subjected to SDS PAGE followed by western blot with 68140-1-Ig (ACOT7 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Alpha Tubulin Monoclonal antibody (HRP-66031) as loading control.