

Allgemeine Informationen

Katalog-Nr.: 67298-1-Ig	GenBank-Zugangsnummer: BC023635	Reinigungsmethode: Protein-G-Reinigung
Größe: 150ul , Konzentration: 1700 µg/ml von11019 Nanodrop und 1000 µg/ml durch die Bradford-Methode mit BSA als Standard;	GeneID (NCBI): 11019	CloneNo.: 3B5G7
Wirt: Maus	Vollständiger Name: lipoic acid synthetase	Empfohlene Verdünnungen: WB 1:1000-1:6000
Isotyp: IgG1	Berechnete Masse: 372 aa, 42 kDa	
Immunogen Katalognummer: AG27286	Beobachtete Masse: 34-42 kDa	

Anwendungen

Geprüfte Anwendungen: WB,ELISA	Positivkontrollen: WB : LNCaP-Zellen, Hausschwein-Hirngewebe, HEK-293-Zellen, K-562-Zellen, Maushirngewebe, Rattenhirngewebe
Getestete Reaktivität: Hausschwein, Human, Maus, Ratte	

Hintergrundinformationen

LIAS(lipoyl synthase, mitochondrial) is also named as LAS and belongs to the radical SAM superfamily and lipoyl synthase family. It produces alpha-lipoic acid, an antioxidant and an essential cofactor in alpha-ketoacid dehydrogenase complexes, which participate in glucose oxidation and ATP generation(PMID:22021711). The deduced 373-amino acid protein has a calculated molecular mass of about 42 kD. The N-terminal 26 amino acids encode a potential mitochondrial targeting presequence that, upon removal, would result in a deduced mature protein of 347 amino acids with a molecular mass of about 39 kD(PMID:11389890). Defects in LIAS are a cause of pyruvate dehydrogenase lipoic acid synthetase deficiency (PDHLD).

Lagerung

Lagerungsbedingungen:
Bei -20°C lagern.
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**

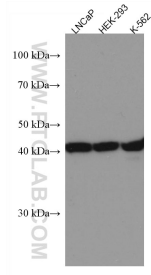
For technical support and original validation data for this product please contact:

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



LNCaP cells were subjected to SDS PAGE followed by western blot with 67298-1-Ig (LIAS antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.