

À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-BCKDHA



Numéro de catalogue: 30028-1-AP

2 Publications

Informations de base

Numéro de catalogue:

30028-1-AP

Taille:

150ul, Concentration: 800 µg/ml by Nanodrop;

Hôte:

Lapin

Isotype:

IgG

Immunogen Catalog Number:

AG32613

Numéro d'acquisition GenBank:

BC008933

Identification du gène (NCBI):

593

Nom complet:

branched chain keto acid dehydrogenase E1, alpha polypeptide

MW calculé

50 kDa

MW observés:

42-50 kDa

Méthode de purification:

Purification par affinité contre l'antigène

Dilutions recommandées:

WB 1:2000-1:16000

IHC 1:200-1:800

Applications

Applications testées:

IHC, WB, ELISA

Demandes citées:

WB

Spécificité de l'espèce:

Humain, rat, souris

Espèces citées:

rat, souris

Contrôles positifs:

WB : tissu hépatique de souris, cellules HepG2, tissu hépatique de rat

IHC : tissu hépatique humain,

Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9,0; (*) À défaut, 'le démasquage de l'antigène peut être effectué avec un tampon citrate pH 6,0.

Informations générales

branched chain keto acid dehydrogenase E1, alpha polypeptide (BCKDHA), the gene encoding the regulated subunit of BCKDC was only one of two primary susceptibility genes identified that affected the risk of both type 2 diabetes mellitus (T2DM) and obesity (PMID: 25287287). BIX01294 transcriptionally downregulated the transcription of BCKDHA, which is essential for fueling the tricarboxylic acid (TCA) cycle. Studies have shown that KDM3A, a Jumonji histone demethylase, epigenetically regulates BCKDHA expression by binding to the BCKDHA gene promoter (PMID: 34876693). Moreover, at least four genes including BCKDHA, branched chain keto acid dehydrogenase E1, beta polypeptide (BCKDHB), dihydrolipoamide dehydrogenase (DLD), and dihydrolipoamide branched chain transacylase E2 (DBT) have been reported to be the causative gene for Maple syrup urine disease (MSUD) (PMID: 34187135).

Publications notables

Autrice	Pubmed ID	Journal	Application
Haojie Jiang	37473846	J Thromb Haemost	WB
Ying Wang	37104913	Clin Nutr	WB

Stockage

Stockage:

Stocker à -20°C. Stable pendant un an après l'expédition.

Tampon de stockage:

PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3

L'aliquotage n'est pas nécessaire pour le stockage à -20C

*** Les 20ul contiennent 0,1% de BSA.

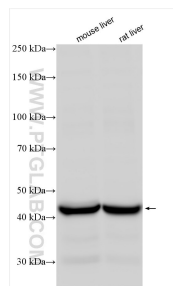
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

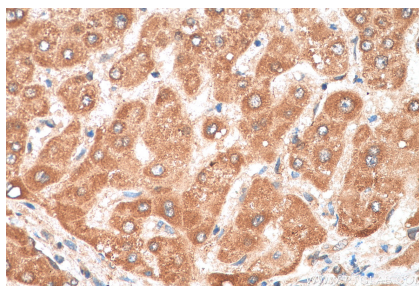
E: proteintech@ptglab.com
W: ptglab.com

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

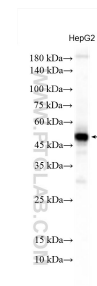
Données de validation sélectionnées



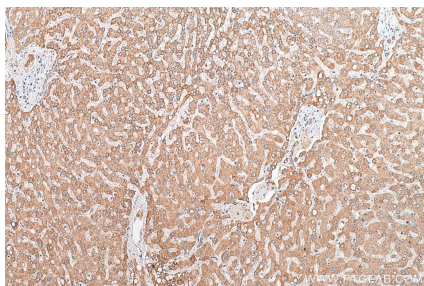
Various lysates were subjected to SDS PAGE followed by western blot with 30028-1-AP (BCKDHA antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 30028-1-AP (BCKDHA antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



HepG2 cells were subjected to SDS PAGE followed by western blot with 30028-1-AP (BCKDHA antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 30028-1-AP (BCKDHA antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).