For Research Use Only

## BCKDHA Polyclonal antibody Catalog Number: 30028-1-AP Featured Product 2 Pu

Featured Product

2 Publications

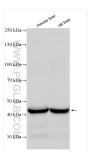


Basic Information	Catalog Number: 30028-1-AP	GenBank Accession Number: BC008933	Purification Method: Antigen affinity purification	
	Size:	GenelD (NCBI):	Recommended Dilutions:	
	150ul , Concentration: 800 ug/ml by Nanodrop; Source:	593	WB 1:2000-1:16000 IHC 1:200-1:800	
		UNIPROT ID:		
	Rabbit	P12694 Full Name:		
	Isotype: IgG	branched chain keto acid dehydrogenase E1, alpha polypeptide		
	Immunogen Catalog Number: AG32613	Calculated MW: 50 kDa		
		Observed MW: 42-50 kDa		
Applications	Tested Applications:	Positive Controls:		
	WB, IHC, ELISA Cited Applications:	WB : mouse liver tissue, HepG2 cells, rat liver tissue		
	WB	IHC : human liver tissue,		
	Species Specificity: Human, mouse, rat			
	Cited Species: rat, mouse			
	Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0			
		ith citrate		
Background Information	buffer pH 6.0 branched chain keto acid dehydroger of BCKDC was only one of two prima mellitus (T2DM) and obesity (PMID: 7 BCKDHA, which is essential for fuelin histone demethylase, epigenetically 34876693). Moreover, at least four ge polypeptide (BCKDHB), dihydrolipoa	nase E1, alpha polypeptide (BCKDH ry susceptibility genes identified tl 25287287). BIX01294 transcriptiona ng the tricarboxylic acid (TCA) cycle regulates BCKDHA expression by l enes including BCKDHA, branched c mide dehydrogenase (DLD), and dil	nat affected the risk of both type 2 diabetes illy downregulated the transcription of e. Studies have shown that KDM3A, a Jumo pinding to the BCKDHA gene promoter (PMI hain keto acid dehydrogenase E1, beta	
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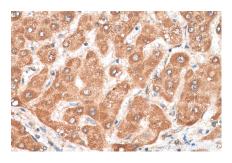
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## Selected Validation Data

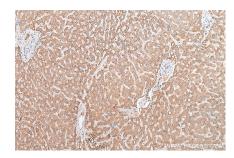


Various lysates were subjected to SDS PAGE followed by western blot with 30028-1-AP (BCKDHA antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffinembedded 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 180 kDa→ 140 kDa→ 100 kDa→ 75 kDa→ 60 kDa→ 45 kDa→ 25 kDa→ 25 kDa→ 10 kDa→ 10 kDa→

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 paraffinembedded 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).