

Nur für Forschungszwecke

# BCAT2 Polyklonaler Antikörper

Katalog-Nr.:16417-1-AP

Vorgestelltes Produkt

15 Publikationen



## Allgemeine Informationen

<b>Katalog-Nr.:</b> 16417-1-AP	<b>GenBank-Zugangsnummer:</b> BC001900	<b>Reinigungsmethode:</b> Antigen-Affinitätsreinigung
<b>Größe:</b> 150ul, Konzentration: 267 µg/ml von Nanodrop;	<b>GeneID (NCBI):</b> 587	<b>Empfohlene Verdünnungen:</b> WB 1:500-1:2000 IHC 1:20-1:200
<b>Wirt:</b> Kaninchen	<b>Vollständiger Name:</b> branched chain aminotransferase 2, mitochondrial	
<b>Isotyp:</b> IgG	<b>Berechnete Masse:</b> 44 kDa	
<b>Immunogen Katalognummer:</b> AG9573	<b>Beobachtete Masse:</b> 38-42 kDa	

## Anwendungen

### Geprüfte Anwendungen:

FC, IHC, WB, ELISA

### In Publikationen genannte Anwendungen:

IF, IHC, WB

### Getestete Reaktivität:

Human

### Zitierte Arten:

Human, Maus, Ratte

**Hinweis-IHC: Antigenmaskierung mit TE-Puffer pH 9,0 empfohlen. (\*) Wahlweise kann die Antigenmaskierung auch mit Citratpuffer pH 6,0 erfolgen.**

### Positivkontrollen:

WB : HepG2-Zellen, Jurkat-Zellen, LO2-Zellen, MCF-7-Zellen, Raji-Zellen

IHC : humanes Hautgewebe, humanes Plazenta-Gewebe

## Hintergrundinformationen

Branched-chain amino acid transaminase 2 (BCAT2) is an important enzyme in branched-chain amino acids (BCAAs) catabolism that reversibly catalyzes the initial step of BCAA degradation to branched-chain acyl-CoA. In humans, BCAT2 encodes a mitochondrial protein that is ubiquitously expressed in all organs (except hepatocytes) (PMID:32467562). Moreover, other reports showed that overexpressed BCAT2 in pancreatic ductal adenocarcinoma (PDAC) cells enhanced cell proliferation and survival in vitro and in vivo (PMID:35663242).

## Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Yukari Shida	34845278	Sci Rep	WB
Dongdong Yang	36417878	Cell Rep	WB
Yang Yang	34084135	Front Pharmacol	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

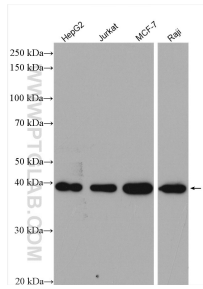
For technical support and original validation data for this product please contact:

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

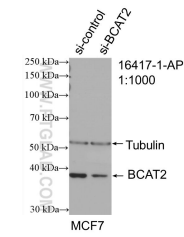
E: proteintech@ptglab.com  
W: ptglab.com

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

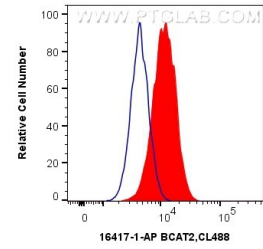
## Ausgewählte Validierungsdaten



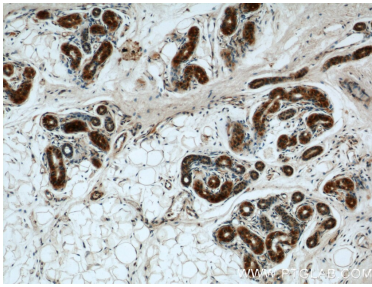
Various lysates were subjected to SDS PAGE followed by western blot with 16417-1-AP (BCAT2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



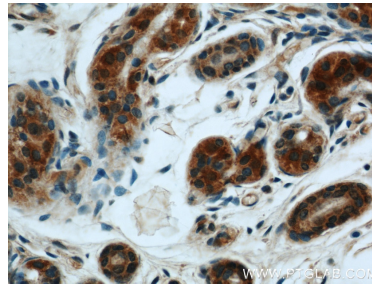
WB result of BCAT2 antibody (16417-1-AP; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-BCAT2 transfected MCF-7 cells.



$1 \times 10^6$  HepG2 cells were intracellularly stained with 0.8  $\mu$ g Anti-Human BCAT2 (16417-1-AP) and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.8  $\mu$ g Isotype Control. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Immunohistochemical analysis of paraffin-embedded human skin using 16417-1-AP (BCAT2 antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human skin using 16417-1-AP (BCAT2 antibody) at dilution of 1:50 (under 40x lens).