

Product datasheet

Anti-ATTY antibody ab91450

画像数 2

製品の概要

製品名	Anti-ATTY antibody
製品の詳細	Rabbit polyclonal to ATTY
由来種	Rabbit
アプリケーション	適用あり: ICC/IF, WB
種交差性	交差種: Human 交差が予測される動物種: Mouse, Rat, Zebrafish
免疫原	Synthetic peptide conjugated to KLH derived from within residues 200 - 300 of Human ATTY.Immunogen の所有権に関して (Peptide available as ab109070 .)
ポジティブ・コントロール	This antibody gave a positive signal in the following whole cell lysates: NIH3T3; HepG2; PC12; A20; Caco2; SKNBE; MCF7; K562; Raji; A431.

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
バッファー	Preservative: 0.02% Sodium Azide Constituents: 1% BSA, PBS, pH 7.4
精製度	Immunogen affinity purified
ポリ/モノ	ポリクローナル
アイソタイプ	IgG

アプリケーション

Our [Abpromise guarantee](#) covers the use of **ab91450** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

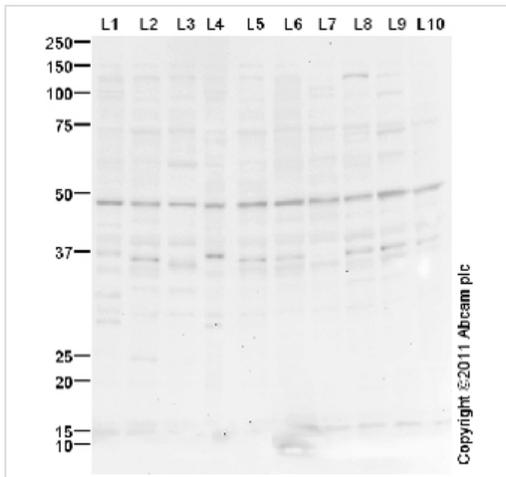
アプリケーション	Abreviews	特記事項
ICC/IF		Use a concentration of 5 µg/ml.

アプリケーション	Abreviews	特記事項
WB		Use a concentration of 1 µg/ml. Detects a band of approximately 50 kDa (predicted molecular weight: 50 kDa).

ターゲット情報

機能	Transaminase involved in tyrosine breakdown. Converts tyrosine to p-hydroxyphenylpyruvate. Can catalyze the reverse reaction, using glutamic acid, with 2-oxoglutarate as cosubstrate (in vitro). Has no transaminase activity towards phenylalanine.
パスウェイ	Amino-acid degradation; L-phenylalanine degradation; acetoacetate and fumarate from L-phenylalanine: step 2/6.
関連疾患	Defects in TAT are the cause of tyrosinemia type 2 (TYRO2) [MIM:276600]; also known as Richner-Hanhart syndrome. TYRO2 is an inborn error of metabolism characterized by elevations of tyrosine in the blood and urine, and oculocutaneous manifestations. Typical features include palmoplantar keratosis, painful corneal ulcers, and mental retardation.
配列類似性	Belongs to the class-I pyridoxal-phosphate-dependent aminotransferase family.

画像



Western blot - Anti-ATTY antibody (ab91450)

All lanes : Anti-ATTY antibody (ab91450) at 1 µg/ml

Lane 1 : NIH 3T3 (Mouse embryonic fibroblast cell line) Whole Cell Lysate

Lane 2 : HepG2 (Human hepatocellular liver carcinoma cell line) Whole Cell Lysate

Lane 3 : PC12 (Rat adrenal pheochromocytoma cell line) Whole Cell Lysate

Lane 4 : A20 whole cell lysate ([ab7180](#))

Lane 5 : Caco 2 (Human colonic carcinoma cell line) Whole Cell Lysate

Lane 6 : SK N BE (Human neuroblastoma) Whole Cell Lysate

Lane 7 : MCF7 (Human breast adenocarcinoma cell line) Whole Cell Lysate

Lane 8 : K562 (Human erythromyeloblastoid leukemia cell line) Whole Cell Lysate

Lane 9 : Raji (Human Burkitt's lymphoma cell line) Whole Cell Lysate

Lane 10 : A431 (Human epithelial carcinoma cell line) Whole Cell Lysate

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) preadsorbed ([ab97080](#)) at 1/5000 dilution

Developed using the ECL technique.

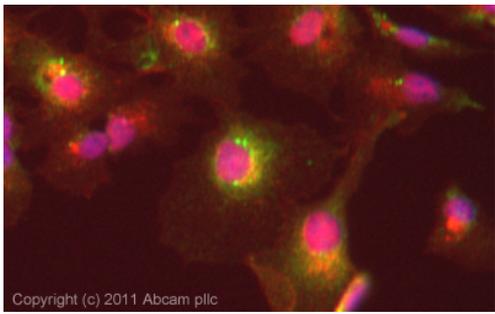
Performed under reducing conditions.

Predicted band size: 50 kDa

Observed band size: 50 kDa

Additional bands at: 37 kDa. We are unsure as to the identity of these extra bands.

Exposure time: 16 minutes



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Immunocytochemistry/ Immunofluorescence - Anti-ATTY antibody (ab91450)

ICC/IF image of ab91450 stained HepG2 cells. The cells were 4% PFA fixed (10 min) and then incubated in 1%BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab91450, 5µg/ml) overnight at +4°C. The secondary antibody (green) was ab96899, DyLight® 488 goat anti-rabbit IgG (H+L) used at a 1/250 dilution for 1h. Alexa Fluor® 594 WGA was used to label plasma membranes (red) at a 1/200 dilution for 1h. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43µM.

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