

Anti-ABAT/GABA-T antibody [EPR4433] ab108249

リコンビナント **RabMAb**

★★★★★ **2 Abreviews** **8 References** 画像数 8

製品の概要

製品名	Anti-ABAT/GABA-T antibody [EPR4433]
製品の詳細	Rabbit monoclonal [EPR4433] to ABAT/GABA-T
由来種	Rabbit
特異性	Mouse cross reactivity tested by western blot and IHC. Rat cross reactivity tested by western blot only.
アプリケーション	適用あり: WB, IP, IHC-P 適用なし: Flow Cyt or ICC/IF
種交差性	交差種: Mouse, Rat, Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
ポジティブ・コントロール	HepG2 cell lysate, SH-SY5Y cell lysae, Human fetal liver tissue lysate, rat brain tissue lysate, rat kidney tissue lysate, mouse brain tissue lysate, Human liver tissue.
特記事項	This product is a recombinant monoclonal antibody, which offers several advantages including: <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information see here . Our RabMAb [®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents .

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 long term. Avoid freeze / thaw cycle.
バッファー	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
精製度	Protein A purified
ポリ/モノ	モノクローナル

クローン名	EPR4433
アイソタイプ	IgG

アプリケーション

The Abpromise guarantee Abpromise保証は、 次のテスト済みアプリケーションにおけるab108249の使用に適用されます
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご確認ください。

アプリケーション	Abreviews	特記事項
WB	★★★★★ (2)	1/10000 - 1/50000. Predicted molecular weight: 56 kDa.
IP		1/10 - 1/100.
IHC-P		1/1000. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol. See <u>IHC antigen retrieval protocols</u> . Antigen retrieval is recommended For unpurified use at 1/250 - 1/500 dilution.

追加情報 Is unsuitable for Flow Cyt or ICC/IF.

ターゲット情報

機能	Catalyzes the conversion of gamma-aminobutyrate and L-beta-aminoisobutyrate to succinate semialdehyde and methylmalonate semialdehyde, respectively. Can also convert delta-aminovalerate and beta-alanine.
組織特異性	Liver > pancreas > brain > kidney > heart > placenta.
関連疾患	Defects in ABAT are a cause of gamma-aminobutyrate transaminase deficiency (GABA-AT deficiency) [MIM:613163]. The phenotype of this deficiency includes psychomotor retardation, hypotonia, hyperreflexia, lethargy, refractory seizures, and EEG abnormalities.
配列類似性	Belongs to the class-III pyridoxal-phosphate-dependent aminotransferase family.
細胞内局在	Mitochondrion matrix.

画像



All lanes : Anti-ABAT/GABA-T antibody [EPR4433] (ab108249) at 1/10000 dilution (Purified)

Lane 1 : HepG2 (Human hepatocellular carcinoma epithelial cell) whole cell lysates with 5% NFDM /TBST

Lane 2 : SH-SY5Y (Human neuroblastoma epithelial cell) whole cell lysates with 5% NFDM /TBST

Lane 3 : Mouse brain lysates with 5% NFDM /TBST

Lane 4 : Rat brain lysates with 5% NFDM /TBST

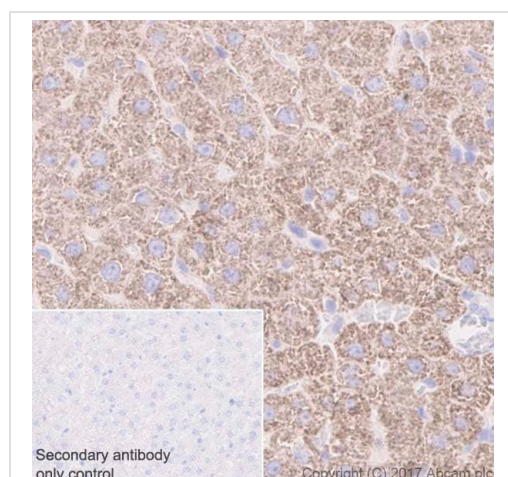
Lysates/proteins at 15 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/20000 dilution (Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated)

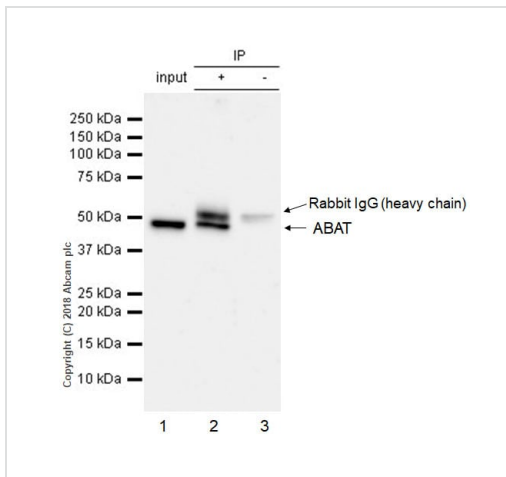
Predicted band size: 56 kDa

Observed band size: 50 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of Rat liver tissue sections labeling ABAT/GABA-T with Purified ab108249 at 1:1000 dilution (0.9 µg/ml). Heat mediated antigen retrieval was performed using [ab93684](#) (Tris/EDTA buffer, pH 9.0)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ABAT/GABA-T antibody [EPR4433] (ab108249)



Immunoprecipitation - Anti-ABAT/GABA-T antibody
[EPR4433] (ab108249)

ab108249 (purified) at 1:40 dilution (2µg) immunoprecipitating ABAT/GABA-T in HepG2 whole cell lysate.

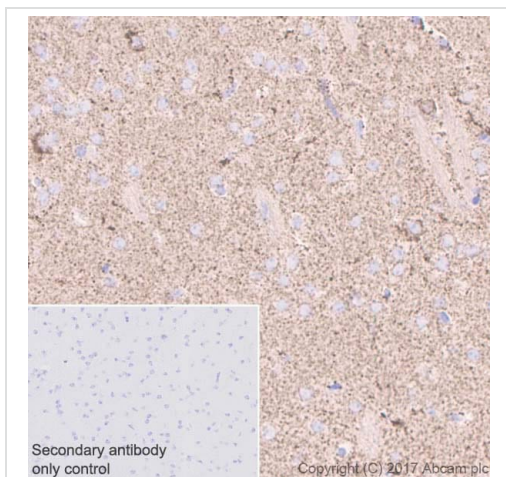
Lane 1 (input): HepG2 (Human hepatocellular carcinoma epithelial cell) whole cell lysate 10µg

Lane 2 (+): ab108249 & HepG2 whole cell lysate

Lane 3 (-): Rabbit monoclonal IgG (**ab172730**) instead of ab108249 in HepG2 whole cell lysate

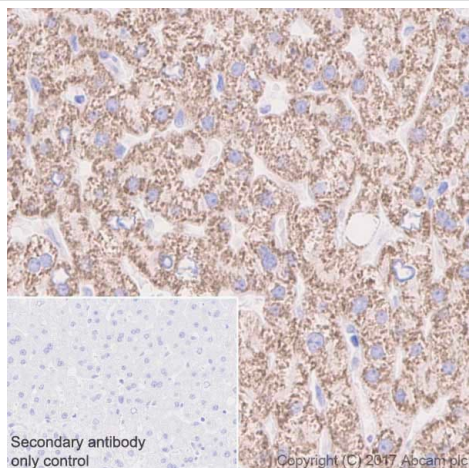
For western blotting, VeriBlot for IP Detection Reagent (HRP) (**ab131366**) was used for detection at 1:1000 dilution.

Blocking and diluting buffer: 5% NFDm/TBST.



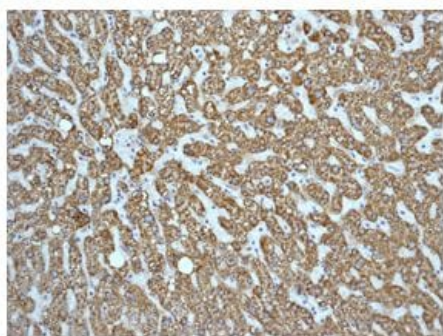
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ABAT/GABA-T antibody
[EPR4433] (ab108249)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of Mouse cerebrum tissue sections labeling ABAT/GABA-T with Purified ab108249 at 1:1000 dilution (0.9 µg/ml). Heat mediated antigen retrieval was performed using **ab93684** (Tris/EDTA buffer, pH 9.0)



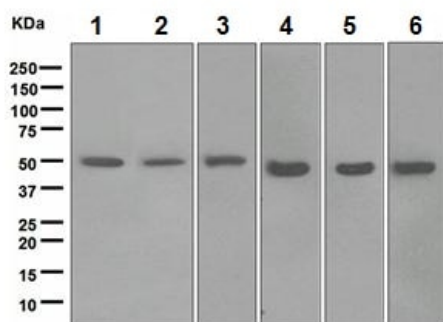
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ABAT/GABA-T antibody [EPR4433] (ab108249)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of Human liver tissue sections labeling ABAT/GABA-T with Purified ab108249 at 1:1000 dilution (0.9 µg/ml). Heat mediated antigen retrieval was performed using **ab93684** (Tris/EDTA buffer, pH 9.0)



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ABAT/GABA-T antibody [EPR4433] (ab108249)

Unpurified ab108249, at 1/250 dilution, staining ABAT/GABA-T in Human liver tissue by immunohistochemistry.



Western blot - Anti-ABAT/GABA-T antibody [EPR4433] (ab108249)

All lanes : Anti-ABAT/GABA-T antibody [EPR4433] (ab108249) (unpurified)

Lane 1 : HepG2 cell lysate

Lane 2 : SH-SY5Y cell lysate

Lane 3 : Human fetal liver tissue lysate

Lane 4 : rat brain tissue lysate

Lane 5 : rat kidney tissue lysate

Lane 6 : mouse brain tissue lysate

Predicted band size: 56 kDa

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

Anti-ABAT/GABA-T antibody [EPR4433] (ab108249)

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