

DATASHEET

ABAT Rabbit Polyclonal Antibody

CAT. NO. APA12712

KEY FEATURES

Target	ABAT	Source / Host	Rabbit
Reactivity	Human, Mouse, Rat	Clonality	Polyclonal
Applications	WB, IF/ICC	Conjugation	Unconjugated
Form / Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		Storage at -20°C

BACKGROUND

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 .

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:1000
IF/ICC	1:50 - 1:200

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

Description	Rabbit polyclonal antibody to ABAT
Specificity	Recognizes endogenous levels of ABAT protein.
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human ABAT
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 56 kD; Observed: 56 kD
Form/Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	GABAT; 4-aminobutyrate aminotransferase mitochondrial; (S)-3-amino-2-methylpropionate transaminase; GABA aminotransferase; GABA-AT; Gamma-amino-N-butyrate transaminase; GABA transaminase; GABA-T; L-AIBAT
Gene Symbol	ABAT
Entrez Gene	18(Human); 268860(Mouse); 81632(Rat)
SwissProt	P80404(Human); P61922(Mouse); P50554(Rat)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

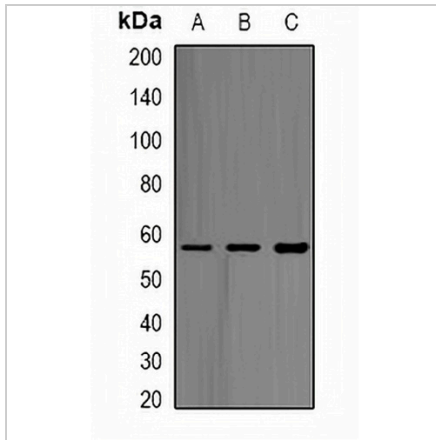
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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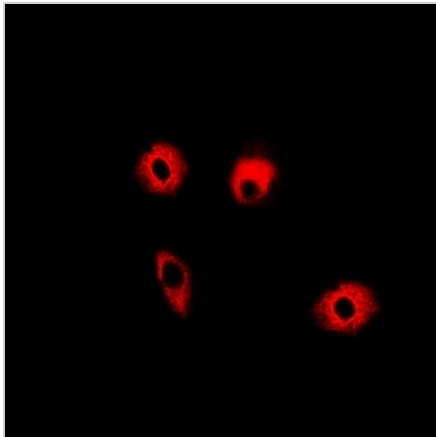
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Western blot analysis of ABAT expression in SW480 (A), mouse kidney (B), mouse brain (C) whole cell lysates. (Predicted band size: 56 kD; Observed band size: 56 kD)



Immunofluorescent analysis of ABAT staining in A549 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark.

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.