

Datasheet for ABIN6259672
anti-ABAT antibody (Internal Region)[Go to Product page](#)

2 Images

Overview

| | |
|----------------------|--|
| Quantity: | 100 µL |
| Target: | ABAT |
| Binding Specificity: | Internal Region |
| Reactivity: | Human, Mouse, Rat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This ABAT antibody is un-conjugated |
| Application: | Western Blotting (WB), Immunofluorescence (IF), ELISA, Immunocytochemistry (ICC) |

Product Details

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|-----------------------|---|
| Immunogen: | A synthesized peptide derived from human ABAT, corresponding to a region within the internal amino acids. |
| Isotype: | IgG |
| Specificity: | ABAT Antibody detects endogenous levels of total ABAT. |
| Predicted Reactivity: | Pig,Zebrafish,Bovine,Horse,Sheep,Rabbit,Dog,Chicken,Xenopus |
| Purification: | The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific). |

Target Details

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|---------|------|
| Target: | ABAT |
|---------|------|

Target Details

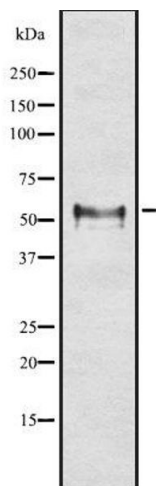
| | |
|-------------------|--|
| Alternative Name: | ABAT (ABAT Products) |
| Background: | Description: Catalyzes the conversion of gamma-aminobutyrate and L-beta-aminoisobutyrate to succinate semialdehyde and methylmalonate semialdehyde, respectively. Can also convert delta-aminovalerate and beta-alanine. Gene: ABAT |
| Molecular Weight: | 56 kDa |
| Gene ID: | 18 |
| UniProt: | P80404 |
| Pathways: | Monocarboxylic Acid Catabolic Process |

Application Details

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|--------------------|--|
| Application Notes: | WB 1:1000-3000, IF/ICC 1:200-1:500, ELISA(peptide) 1:20000-1:40000 |
| Restrictions: | For Research Use only |

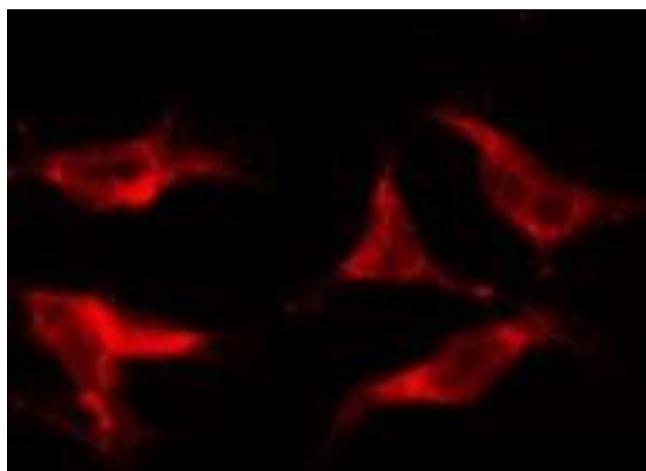
Handling

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|--------------------|--|
| Format: | Liquid |
| Concentration: | 1 mg/mL |
| Buffer: | Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage: | -20 °C |
| Storage Comment: | Store at -20 °C. Stable for 12 months from date of receipt. |
| Expiry Date: | 12 months |



Western Blotting

Image 1. Western blot analysis of ABAT using NIH-3T3 whole cell lysates



Immunofluorescence (fixed cells)

Image 2. ABIN6278181 staining HepG2 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25°C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37°C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody