

Datasheet for ABIN7601883
anti-GOT1 antibody (AA 5-413)



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Overview

Quantity:	100 µg
Target:	GOT1
Binding Specificity:	AA 5-413
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This GOT1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-Aspartate Aminotransferase/GOT1 Antibody Picoband® (monoclonal, 6B3B4)
Immunogen:	E.coli-derived human Aspartate Aminotransferase/GOT1 recombinant protein (Position: S5-Q413).
Clone:	6B3B4
Isotype:	IgG2b
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-Aspartate Aminotransferase/GOT1 Antibody Picoband® (monoclonal, 6B3B4) (ABIN7601883). Tested in Flow Cytometry, IHC, WB applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring

Product Details

unmatched performance.

Purification: Immunogen affinity purified.

Target Details

Target: GOT1

Alternative Name: GOT1 ([GOT1 Products](#))

Background: Synonyms: SUMO-activating enzyme subunit 2, Anthracycline-associated resistance ARX, Ubiquitin-like 1-activating enzyme E1B, Ubiquitin-like modifier-activating enzyme 2, UBA2, SAE2, UBLE1B, HRIHFB2115

Background: Aspartate aminotransferase, cytoplasmic is an enzyme that in humans is encoded by the GOT1 gene. Glutamic-oxaloacetic transaminase is a pyridoxal phosphate-dependent enzyme which exists in cytoplasmic and mitochondrial forms, GOT1 and GOT2, respectively. GOT plays a role in amino acid metabolism and the urea and tricarboxylic acid cycles. The two enzymes are homodimeric and show close homology.

Molecular Weight: 43 kDa

Gene ID: 2805

UniProt: [P17174](#)

Pathways: [Hepatitis C](#), [Monocarboxylic Acid Catabolic Process](#), [Methionine Biosynthetic Process](#)

Application Details

Application Notes: Western blot, 0.25-0.5 µg/mL, Human, Mouse, Rat

Immunohistochemistry(Paraffin-embedded Section), 2-5 µg/mL, Human

Flow Cytometry (Fixed), 1-3 µg/1x10⁶ cells, Human

1. Aitken, D. A., Ferguson-Smith, M. A. Gene dosage evidence for the regional assignment of the GOT-S structural gene locus to 10q24-10q25. Cytogenet. Cell Genet. 22: 468-471, 1978. 2. Creagan, R., Tischfield, J., McMorris, F. A., Chen, S.-H., Hirschi, M., Chen, T.-T., Ricciuti, F., Ruddle, F. H. Assignment of the genes for human peptidase A to chromosome 18 and cytoplasmic glutamic oxaloacetate transaminase to chromosome 10 using somatic-cell hybrids. Cytogenet. Cell Genet. 12: 187-198, 1973. 3. Doonan, S., Barra, D., Bossa, F. Structural and genetic relationships between cytosolic and mitochondrial isoenzymes. Int. J. Biochem. 16: 1193-1199, 1984.

Restrictions: For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl and 0.2 mg Na ₂ HPO ₄ .
Storage:	4 °C, -20 °C
Storage Comment:	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.