Datasheet for ABIN1724722

anti-GOT2 antibody

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Overview

Quantity:	100 µL
Target:	GOT2
Reactivity:	Human, Mouse, Rat, Monkey
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This GOT2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunocytochemistry (ICC)

Product Details

Immunogen:	Purified recombinant fragment of human GOT2 expressed in E. coli.
Clone:	3-00E-09
Isotype:	IgG1
Purification:	purified

Target Details

Target:	GOT2
Alternative Name:	GOT2 (GOT2 Products)
Background:	Description: Glutamic-oxaloacetic transaminase is a pyridoxal phosphate-dependent enzyme which exists in cytoplasmic and inner-membrane 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.

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Target Details

	Aliases: KAT4, KATIV, mitAAT
Molecular Weight:	47 kDa
Gene ID:	2806
HGNC:	2806
Pathways:	Monocarboxylic Acid Catabolic Process

Application Details

Application Notes:	ELISA: 1:10000, WB: 1:500 - 1:2000, ICC: 1:200 - 1:1000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Ascitic fluid containing 0.03 % sodium azide.
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:	4 °C/-20 °C
Storage Comment:	4°C, -20°C for long term storage

Publications

Product cited in:	Tsai, Hong, Liou, Liao: "Association study of GOT2 genetic polymorphisms and schizophrenia." in: **Psychiatric genetics**, Vol. 17, Issue 5, pp. 314, (2007) (PubMed). Stelzl, Worm, Lalowski, Haenig, Brembeck, Goehler, Stroedicke, Zenkner, Schoenherr, Koeppen, Timm, Mintzlaff, Abraham, Bock, Kietzmann, Goedde, Toksöz, Droege, Krobitsch, Korn, Birchmeier, Lehrach et al.: "A human protein-protein interaction network: a resource for annotating the proteome. ..." in: **Cell**, Vol. 122, Issue 6, pp. 957-68, (2005) (PubMed).

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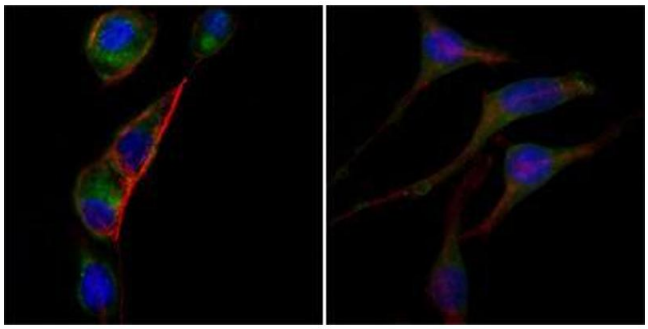
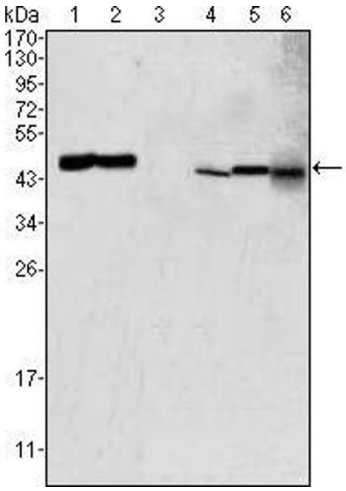


Immunofluorescence

Image 1. Immunofluorescence analysis of PC-3 (left) and SK-BR-3 (right) cells using anti-GOT2 mAb (green). Red: Actin filaments have been labeled with DY-554 phalloidin. Blue: DRAQ5 fluorescent DNA dye.



Western Blotting

Image 2. Western blot analysis using GOT2 mouse mAb against HEK293 (1), PC-12 (2), HL-60 (3), BCBL-1 (4), HepG2 (5) and NIH/3T3 (6) cell lysate.

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