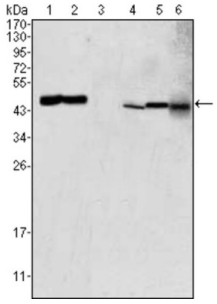
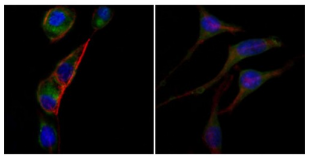
Aspartate Aminotransferase, Mitochondrial / AST (GOT2) Antibody

Catalogue No.:abx010852



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



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

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.

Target:	Aspartate Aminotransferase, Mitochondrial / AST (GOT2)
Clonality:	Monoclonal
Reactivity:	Human, Mouse, Rat, Monkey
Tested Applications:	ELISA, WB, IF/ICC
Host:	Mouse
Recommended dilutions:	ELISA: 1/10000, WB: 1/500 - 1/2000, IF/ICC: 1/200 - 1/1000. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	Purified recombinant fragment of human GOT2 expressed in E. coli.
Isotype:	IgG_1
Form:	Liquid

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Purification:	Unpurified ascites.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	P00505 (UniProt, ExPASy)
GeneID:	2806
KEGG:	hsa:2806
String:	9606.ENSP00000245206
Molecular Weight:	47 kDa
Buffer:	Ascitic fluid containing 0.03% sodium azide.
Concentration:	Not determined.
Note:	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

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