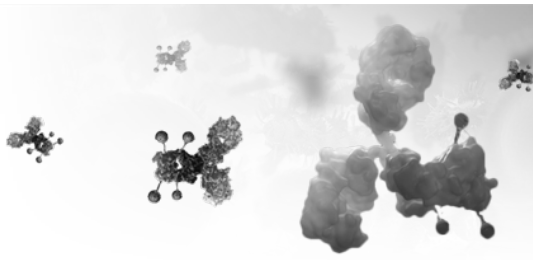

Mouse anti-Human CCBL1 monoclonal antibody, clone 2C23 (CABT-B9905)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Immunogen	CCBL1 (AAH33685, 1 a.a. ~ 375 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Isotype	IgG2a
Source/Host	Mouse
Species Reactivity	Human
Clone	2C23
Conjugate	Unconjugated
Applications	WB,IF,sELISA,ELISA
Sequence Similarities	MAKQLQARRLDGIDYNPWVEFVKLASEHDVVNLGQGFPDFPPPDFAVEAFQHAVSGDFML NQYTKTFVIIIEPFFDCYEPMTMMAGGRPVFVSLKPGPIQNGELGSSSNWQLDPMELAGK FTSRTKALVLNTPNNPLGKVFSREELELVASLCQQHDVVCITDEVYQWMVYDGHQHISIA SLPGMWERTLTIGSAGKTFSATGWKVGWVLGPDHIMKHLRTVHQNSVFHCPTQSQAAVAE SFEREQLLFRQPSSY
Format	Liquid
Size	100 µg
Buffer	In 1x PBS, pH 7.2
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

BACKGROUND

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Introduction	This gene encodes a cytosolic enzyme that is responsible for the metabolism of cysteine conjugates of certain halogenated alkenes and alkanes. This metabolism can form reactive metabolites leading to nephrotoxicity and neurotoxicity. Increased levels of this enzyme have been linked to schizophrenia. Multiple transcript variants that encode different isoforms have been identified for this gene. [provided by RefSeq, Jul 2008]
Keywords	CCBL1; cysteine conjugate-beta lyase, cytoplasmic; GTK; KAT1; KATI; kynurenine--oxoglutarate transaminase 1; beta-lysase, kidney; glutamine transaminase K; kyneurenine aminotransferase; kynurenine aminotransferase I; cysteine-S-conjugate beta-lyase; glutamine--phenylpyruvate transaminase; kynurenine--oxoglutarate transaminase I; glutamine-phenylpyruvate aminotransferase; cysteine conjugate-beta lyase; cytoplasmic (glutamine transaminase K, kyneurenine aminotransferase);

GENE INFORMATION

Entrez Gene ID	883
UniProt ID	Q16773
Pathway	Amino acid synthesis and interconversion (transamination), organism-specific biosystem; Metabolic pathways, organism-specific biosystem; Metabolism of amino acids and derivatives, organism-specific biosystem; Phenylalanine and tyrosine catabolism, organism-specific biosystem; Selenocompound metabolism, organism-specific biosystem; Selenocompound metabolism, conserved biosystem
Function	1-aminocyclopropane-1-carboxylate synthase activity; L-glutamine:pyruvate aminotransferase activity; L-phenylalanine:pyruvate aminotransferase activity; cysteine-S-conjugate beta-lyase activity; glutamine-phenylpyruvate transaminase activity; kynurenine-oxoglutarate transaminase activity; kynurenine-oxoglutarate transaminase activity; lyase activity; protein homodimerization activity; pyridoxal phosphate binding; transaminase activity; transferase activity, transferring nitrogenous groups

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