

Mouse anti-Human CCBL1 Monoclonal Antibody | anti-CCBL1 antibody

Anti-CCBL1 Antibody (clone 1B12)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA162296	Mouse	Human	Western Blot, Immunohistochemistry, Immunofluorescence, ELISA

PRODUCT SYNONYMS

CCBL1; Monoclonal Antibody; Anti-CCBL1 Antibody (clone 1B12); Rabbit Polyclonal (IgG) to Human CCBL1; Beta-lysase; kidney; KAT1; KATI; Kynurenine aminotransferase I; Kyneurenine aminotransferase; Kynurenic acid transferase 1; GTK; Glutamine transaminase K; anti-CCBL1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2a, k
Clone Number	1B12
Specificity	Human CCBL1/KAT1
Purity/Purification	Purified from ascites by Protein A
Form/Format	PBS, pH 7.4.
Sequence Length	422
Applicable Applications for anti-CCBL1 antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), ELISA
Immunogen	CCBL1 (AAH33685, aa1-374 full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C or lower. Aliquot to avoid repeated freezing and thawing.

IMAGES



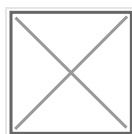
ELISA

Detection limit for recombinant GST tagged CCBL1 is 3 ng/ml as a capture antibody.



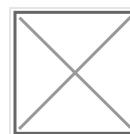
WB (Western Blot)

Western Blot analysis of CCBL1 expression in transfected 293T cell line by CCBL1 monoclonal antibody (M02), clone 1B12. Lane 1: CCBL1 transfected lysate (27.4 KDa). Lane 2: Non-transfected lysate.



IF (Immunofluorescence)

Immunofluorescence of monoclonal antibody to CCBL1 on HeLa cell. [antibody concentration 10 ug/ml]



IHC (Immunohistochemistry)

Human Small Intestine: Formalin-Fixed, Paraffin-Embedded (FFPE)



IHC (Immunohistochemistry)
Human Kidney: Formalin-Fixed, Paraffin-Embedded (FFPE)

ADDITIONAL INFORMATION

Related Product Information for anti-CCBL1 antibody	Kidney cysteine conjugate beta-lyase (kynurenine aminotransferase 1)metabolizes the cysteine conjugates of certain halogenated alkenes and alkanes to form reactive metabolites that can produce nephrotoxicity and neurotoxicity. KAT1 also catalyses the reversible transamination ofglutamine to oxoglutaramic acid and converts kynurenine into kynurenicacid (KYNA), a broadspectrum antagonist at ionotropic excitatory aminoacid receptors.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	95147551
NCBI GeneID	883
NCBI Accession #	NP_004050.3
NCBI GenBank Nucleotide #	NM_004059.4
UniProt Accession #	Q16773; Q5T275; Q8N191
Molecular Weight	27,420 Da
NCBI Official Full Name	kynurenine--oxoglutarate transaminase 1 isoform a
NCBI Official Synonym Full Names	kynurenine aminotransferase 1
NCBI Official Symbol	KYAT1
NCBI Official Synonym Symbols	GTK; KAT1; KATI; CCBL1
NCBI Protein Information	kynurenine--oxoglutarate transaminase 1
UniProt Protein Name	Kynurenine--oxoglutarate transaminase 1
UniProt Gene Name	KYAT1
UniProt Synonym Gene Names	KATI

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/ccbl1-antibody-clone-1b12-western-blot-immunohistochemistry-immunofluorescence-elisa/162296>