



Rabbit Anti-CCBL1 antibody

SL10939R

Product Name:	CCBL1
Chinese Name:	谷氨酰胺转氨酶K抗体
Alias:	Beta lyase; Beta lysase, kidney; CCBL 1; Cysteine conjugate beta lyase; Cysteine conjugate beta lyase, cytoplasmic; Cysteine conjugate beta lyase; cytoplasmic (glutamine transaminase K, kyneurenine aminotransferase); Cysteine S conjugate beta lyase; Cytoplasmic cysteine conjugate beta lyase; FLJ95217; Glutamine phenylpyruvate aminotransferase; Glutamine transaminase K; GTK; KAT1; KATI; Kyneurenine aminotransferase; Kynurenine aminotransferase I; Kynurenine oxoglutarate transaminase 1; MGC29624; OTTHUMP00000022311; OTTHUMP00000022312; KAT1_HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Horse,Rabbit,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	48kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human CCBL1:201-300/422
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed

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]

Function:

Catalyzes the irreversible transamination of the L-tryptophan metabolite L-kynurenine to form kynurenic acid (KA). Metabolizes the cysteine conjugates of certain halogenated alkenes and alkanes to form reactive metabolites. Catalyzes the beta-elimination of S-conjugates and Se-conjugates of L-(seleno)cysteine, resulting in the cleavage of the C-S or C-Se bond.

Subunit:

Homodimer.

Subcellular Location:

Cytoplasm.

Similarity:

Belongs to the class-I pyridoxal-phosphate-dependent aminotransferase family.

SWISS:

Q16773

Gene ID:

883

Database links:

[Entrez Gene: 883](#)Human

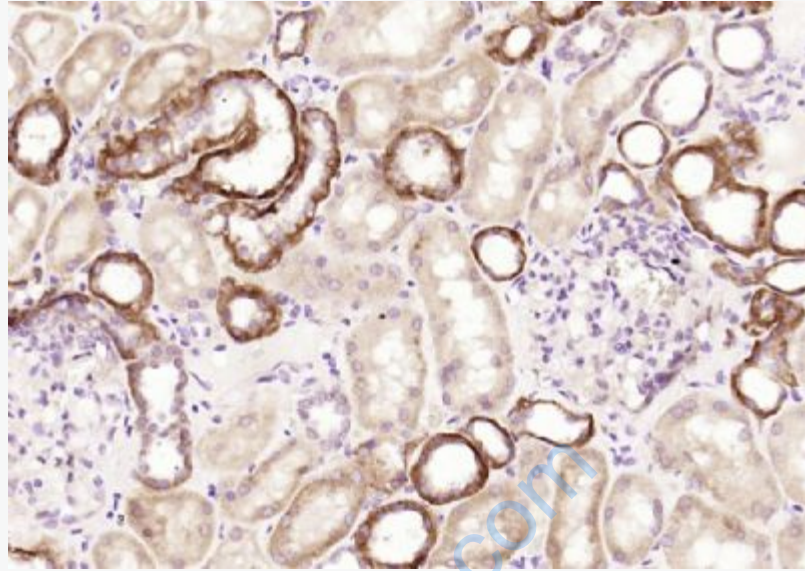
[Omin: 600547](#)Human

[SwissProt: Q16773](#)Human

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Product Detail:



Picture:

Paraformaldehyde-fixed, paraffin embedded (Human kidney); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (CCBL1) Polyclonal Antibody, Unconjugated (SL10939R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.