

CCBL1 Rabbit pAb

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Catalog # AP54327

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q16773
Reactivity	Human
Predicted	Rabbit, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	47875
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human CCBL1
Epitope Specificity	201-300/422
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Cytoplasm.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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]

Additional Information

Gene ID	883
Other Names	Kynurenine--oxoglutarate transaminase 1, 2.6.1.7, Cysteine-S-conjugate beta-lyase, 4.4.1.13, Glutamine transaminase K, GTK, Glutamine--phenylpyruvate transaminase, 2.6.1.64, Kynurenine aminotransferase 1 {ECO:0000312 HGNC:HGNC:1564}, Kynurenine aminotransferase I, KATI, Kynurenine--oxoglutarate transaminase I, KYAT1 (HGNC:1564), CCBL1
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. 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.

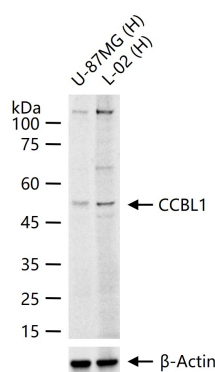
Protein Information

Name	KYAT1 (HGNC:1564)
Synonyms	CCBL1
Function	Catalyzes the irreversible transamination of the L-tryptophan metabolite L-kynurenine to form kynurenic acid (KA), an intermediate in the tryptophan catabolic pathway which is also a broad spectrum antagonist of the three ionotropic excitatory amino acid receptors among others (PubMed: 19338303 , PubMed: 28097769). Also metabolizes the cysteine conjugates of certain halogenated alkenes and alkanes to form reactive metabolites (PubMed: 7883047). 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 (PubMed: 7883047).
Cellular Location	Cytoplasm, cytosol.

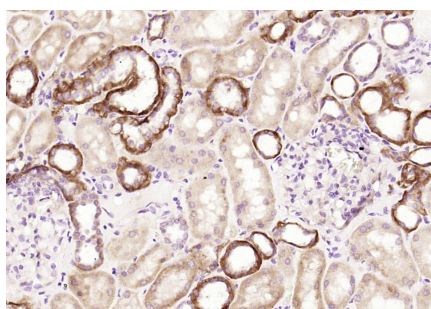
Background

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Images



25 ug total protein per lane of various lysates (see on figure) probed with CCBL1 polyclonal antibody, unconjugated (AP54327) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



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 (AP54327) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.