

CCBL1 Antibody (internal region)
Peptide-affinity purified goat antibody
Catalog # AF2683a**Specification**

CCBL1 Antibody (internal region) - Product Information

Application	E
Primary Accession	Q16773
Other Accession	NP_004050.3 , NP_001116144.1 , 883
Predicted	Human
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	47875

CCBL1 Antibody (internal region) - 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 I, KATI, Kynurenine--oxoglutarate transaminase I, CCBL1

Dilution

E~~N/A

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

CCBL1 Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

CCBL1 Antibody (internal region) - 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.

CCBL1 Antibody (internal region) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

CCBL1 Antibody (internal region) - Images**CCBL1 Antibody (internal region) - Background**

This antibody is expected to recognize both reported isoforms (NP_004050.3; NP_001116144.1)

CCBL1 Antibody (internal region) - References

The role of glutamine transaminase K (GTK) in sulfur and alpha-keto acid metabolism in the brain, and in the possible bioactivation of neurotoxicants. Cooper AJ. Neurochem Int. 2004 Jun;44(8):557-77. PMID: 15016471