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**Research Use Only. Not
for diagnostic or
therapeutic use.**

Storage: Aliquot and store at
-20°C. Minimize freezing and
thawing.

Product: EB08263 – Goat anti-CCBL1 antibody

*This product is one of a range of **Investigative Grade** antibodies, made against targets that have limited or no commercial antibodies available to them and for which there are no data on the expression of the protein in the range of common cell lines and tissues available to us. These antibodies are affinity purified using their peptide immunogen and are known to give low background staining in a western blot (see Application Notes below). However no additional claims are made for their ability to recognise native protein in any application.*

Target Protein

Principal Names: CCBL1; cysteine conjugate-beta lyase; glutamine transaminase K; kyneurenine aminotransferase ; GTK; KATI; MGC29624; cytoplasmic cysteine conjugate-beta lyase; glutamine-phenylpyruvate aminotransferase; kynurenine aminotransferase I

Official Gene Symbol: CCBL1

Accession Number(s): NP_004050.3; NP_001116144.1

Human Gene ID(s): 883

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

Immunogen

Peptide with sequence C-DISDFKRKMPD, from the internal region of the protein sequence according to NP_004050.3; NP_001116144.1

Purification

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied as 100 µg of purified antibody. 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Applications Tested

Peptide ELISA: antibody detection limit dilution 1:32,000. Western Blot: Preliminary experiments in Human Brain (Cerebral and frontal cortex) and Human Breast cancer lysates gave no specific signal but low background (at antibody concentration up to 1µg/ml). We would appreciate any feedback from people in the field - have any results been reported with other antibodies/lysates?

Species Reactivity

Tested:

Expected from sequence similarity: Human

Background Reference

Cooper AJ.

The role of glutamine transaminase K (GTK) in sulfur and alpha-keto acid metabolism in the brain, and in the possible bioactivation of neurotoxicants.

Neurochem Int. 2004 Jun;44(8):557-77. Review. Erratum in: Neurochem Int. 2004 Oct;45(5):783.

