

For Research Use Only

# CCBL1/KAT1 Polyclonal antibody

Catalog Number: 12156-1-AP **10 Publications**



## Basic Information

**Catalog Number:**

12156-1-AP

**Size:**

400 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG2828

**GenBank Accession Number:**

BC013069

**GeneID (NCBI):**

883

**UNIPROT ID:**

Q16773

**Full Name:**

cysteine conjugate-beta lyase,  
cytoplasmic

**Calculated MW:**

48 kDa

**Observed MW:**

48-50 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:500-1:1000

IF 1:50-1:500

## Applications

**Tested Applications:**

IF/ICC, WB, ELISA

**Cited Applications:**

WB, IHC

**Species Specificity:**

human, mouse, rat

**Cited Species:**

human, rat, mouse

**Positive Controls:**

WB : mouse kidney tissue, HeLa cells, L02 cells

IF : HeLa cells,

## Background Information

CCBL1 encodes kynurenine aminotransferase 1 (KAT1), a key enzyme involved in kynurenine pathway. CCBL1 catalyzes the production of kynurenic acid, a powerful endogenous excitatory amino acid receptor antagonist that is widely regarded as the potent neuroprotective agent.

## Notable Publications

Author	Pubmed ID	Journal	Application
Leandro Z Agudelo	25259918	Cell	WB
Chongye Fang	33790369	Sci Rep	WB
Maja Schlittler	27030575	Am J Physiol Cell Physiol	

## Storage

**Storage:**

Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

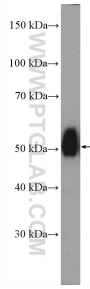
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

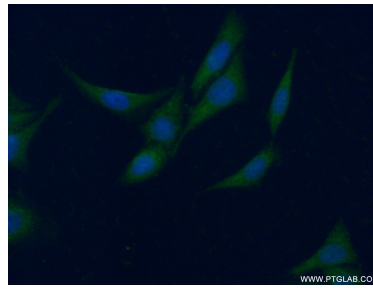
W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



mouse kidney tissue were subjected to SDS PAGE followed by western blot with 12156-1-AP (CCBL1/KAT1 antibody at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using 12156-1-AP (CCBL1/KAT1 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).