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Human CMBL antibody

Catalog Number: ATGA0233

PRODUCT INFORMATION

Catalog number

ATGA0233

Clone No.

AT2B11

Product type

Monoclonal Antibody

UnitProt No.

Q96DG6

NCBI Accession No.

NP 620164

Alternative Names

Carboxymethylenebutenolidase homolog

PRODUCT SPECIFICATION

Antibody Host

Mouse

Reacts With

Human

Concentration

1mg/ml (determined by BCA assay)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol

Immunogen

Recombinant human CMBL (1-245aa) purified from E. coli

Isotype

IgG2a kappa

Purification Note

By protein-G affinity chromatography

Application

ELISA,WB

Usage

The antibody has been tested by ELISA and Western blot analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results.

Storage



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Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

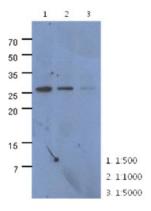
CMBL (carboxymethylenebutenolidase homolog) is a 245 amino acid cytosolic protein and cysteine hydrolase of the dienelactone hydrolase family that is highly expressed in liver cytosol. CMBL is the human homolog of Pseudomonas dienelactone hydrolase, a protein that participates in the bacterial halocatechol degradation pathway. That is ubiquitously expressed with high expression in liver, colon, kidney and small intestine, where it acts as a bioactivating enzyme for a prodrug type angiotensin II type 1 receptor antagonist known as olmesartan medoxomil. CMBL is inhibited by p-chloromercuribenzoate (PCMB).

General References

Ishizuka T, et al. (Apr 2010). J Biol Chem. 16285(16):11892-902. Yang X, et al. (Mar 2010). J Proteome Res. 59(3):1402-15.

DATA

Western blot analysis (WB)



The cell lysates of HeLa (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human CMBL antibody (1:500 \sim 1:5000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.

