



PRODUCT DATA SHEET

Bioworld Technology, Inc.

CMBL polyclonal antibody

Catalog: BS36093

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

Carboxymethylenebutenolidase homolog: Cysteine hydrolase whose endogenous substrates and physiological function are unknown. Catalyzes the hydrolytic activation of several ester-based prodrugs, by cleaving the dioxolone ring to yield their respective active metabolites, diacetyl and CO₂. Can thus convert the prodrugs Olmesartan medoxomil and Azilsartan medoxomil into their active metabolites (Olmesartan and Azilsartan), two angiotensin receptor blockers. Is also able to activate beta-lactam antibiotics Faropenem medoxomil and Lenampicillin

Product:

1mg/ml in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.

Molecular Weight:

~28.0 kDa

Swiss-Prot:

Q96DG6

Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

Applications:

WB (1/500 - 1/1000)

Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

Recognizes endogenous levels of CMBL protein

DATA:

Western blot analysis of Carbonic Anhydrase 3 expression in mouse kidney (A), mouse lung (B) whole cell lysates.

Immunohistochemical analysis of Carbonic Anhydrase 3 staining in human testis formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

Note:

For research use only, not for use in diagnostic procedure.

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