

## Anti-LOC134147/CMBL Antibody Picoband®

Catalog Number: A04921

### About Cmb1

CMBL is a cysteine hydrolase of the diene lactone hydrolase family that is highly expressed in liver cytosol. CMBL preferentially cleaves cyclic esters, and it activates medoxomil-ester prodrugs in which the medoxomil moiety is linked to an oxygen atom.

### Overview

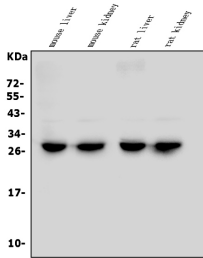
Product Name	Anti-LOC134147/CMBL Antibody Picoband®
Reactive Species	Mouse, Rat
Description	Boster Bio Anti-LOC134147/CMBL Antibody Picoband® catalog # A04921. Tested in Flow Cytometry, WB applications. This antibody reacts with Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Application	Flow Cytometry, WB
Clonality	Polyclonal
Formulation	Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na <sub>2</sub> HPO <sub>4</sub> , 0.01mg NaN <sub>3</sub> .
Storage Instructions	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	Q8R1G2

### Technical Details

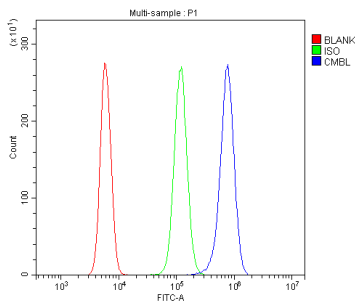
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of mouse LOC134147/CMBL, which shares 88.2% and 94.1% amino acid (aa) sequence identity with human and rat LOC134147/CMBL, respectively.
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot.
Cross Reactivity	No cross-reactivity with other proteins.
Isotype	Rabbit IgG
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.

Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 0.25-0.5ug/ml, Mouse, Rat Flow Cytometry (Fixed), 1-3ug/1x10 <sup>6</sup> cells, Mouse

## Anti-LOC134147/CMBL Antibody Picoband® (A04921) Images



Western blot analysis of LOC134147/CMBL using anti-LOC134147/CMBL antibody (A04921). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30ug of sample under reducing conditions. Lane 1: mouse liver tissue lysates, Lane 2: mouse kidney tissue lysates, Lane 3: rat liver tissue lysates, Lane 4: rat kidney tissue lysates. After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-LOC134147/CMBL antigen affinity purified polyclonal antibody (Catalog # A04921) at 0.5 ug/mL overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for LOC134147/CMBL at approximately 28KD. The expected band size for LOC134147/CMBL is at 28KD.



Flow Cytometry analysis of RAW264.7 cells using anti-LOC134147/CMBL antibody (A04921). Overlay histogram showing RAW264.7 cells stained with A04921 (Blue line). To facilitate intracellular staining, cells were fixed with 4% paraformaldehyde and permeabilized with permeabilization buffer. The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-LOC134147/CMBL Antibody (A04921, 1ug/1x10<sup>6</sup> cells) for 30 min at 20°C. DyLight®488 conjugated goat anti-rabbit IgG (BA1127, 5-10ug/1x10<sup>6</sup> cells) was used as secondary antibody for 30 minutes at 20°C. Isotype control antibody (Green line) was rabbit IgG (1ug/1x10<sup>6</sup>) used under the same conditions. Unlabelled sample without incubation with primary antibody and secondary antibody (Red line) was used as a blank control.

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Anti-LOC134147/CMBL Antibody

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