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antibody and ELISA experts

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# Anti-Met (c-Met) Antibody Picoband®

**Catalog Number:** PB9186

## About MET

c-Met, also called MET and hepatocyte growth factor receptor (HGFR), is a protein that in humans is encoded by the MET gene. It is mapped to 7q31.2. The protein possesses tyrosine kinase activity. MET is a membrane receptor that is essential for embryonic development and wound healing. It induces several biological responses that collectively give rise to a program known as invasive growth. MET is deregulated in many types of human malignancies, including cancers of kidney, liver, stomach, breast, and brain. Normally, only stem cells and progenitor cells express MET, which allows these cells to grow invasively in order to generate new tissues in an embryo or regenerate damaged tissues in an adult. However, cancer stem cells are thought to hijack the ability of normal stem cells to express MET, and thus become the cause of cancer persistence and spread to other sites in the body.

## Overview

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| Product Name | Anti-Met (c-Met) Antibody Picoband® |
| Reactive Species | Human, Rat |
| Description | Boster Bio Anti-Met (c-Met) Antibody Picoband® catalog # PB9186. Tested in WB applications. This antibody reacts with Human, 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 | WB |
| Clonality | Polyclonal |
| Formulation | Each vial contains antibody formulated with stabilizing components, 0.9 mg NaCl, 0.2 mg Na2HPO4, and 0.05 mg NaN3.<br>*This antibody is supplied in a stabilized formulation.<br>Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required. |
| 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 | P08581 |

## Technical Details

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| Immunogen | E.coli-derived human Met recombinant protein (Position: D208-S407). Human Met shares 90% and 91% amino acid (aa) sequences identity with mouse and rat Met, respectively. |

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| 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, 0.1-0.5ug/ml, Rat, Human |

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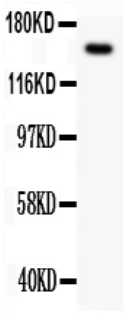
# Anti-Met (c-Met) Antibody Picoband® (PB9186) Images




Western blot analysis of Met (c-Met) using anti-Met (c-Met) antibody (PB9186). 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 30 ug of sample under reducing conditions. Lane 1: rat liver tissue lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA 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-Met (c-Met) antigen affinity purified polyclonal antibody (Catalog # PB9186) 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 Met (c-Met) at approximately 154 kDa. The expected band size for Met (c-Met) is at 156 kDa.

## 3 Publications Citing This Product

1. PubMed ID: 21413988, Chen D, Wang W, Guo W, Yu Q, Burnstock G, He C, Xiang Z, Zheng H. J Anat. 2011 Jun;218(6):643-51. Doi: 10.1111/J.1469-7580.2011.01364.X. Epub 2011 Mar 18. Expression Of P2Y(6) Receptors In The Developing Mouse Skeletal Muscle And After Injury And ...

2. PubMed ID: 23675455, Chen X, Ding G, Gao Q, Sun J, Zhang Q, Du L, Qiu Z, Wang C, Zheng F, Sun B, Ni J, Feng Z, Zhu J. Plos One. 2013 May 13;8(5):E63093. Doi: 10.1371/Journal.Pone.0063093. Print 2013. A Human Anti-C-Met Fab Fragment Conjugated With Doxorubicin As Targe...

3. PubMed ID: 22294837, Bin Wt, Ma Lm, Xu Q, Shi Xl. World J Gastroenterol. 2012 Jan 28;18(4):309-22. Doi: 10.3748/Wjg.V18.I4.309. Embryonic Hepatocyte Transplantation For Hepatic Cirrhosis: Efficacy And Mechanism Of Action.

Visit bosterbio.com/anti-met-c-met-picoband-trade-antibody-pb9186-boster.html to see all 3 publications.

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