

## Anti-Prostaglandin E Receptor EP2/PTGER2 Antibody Picoband™

Catalog Number: PB9386

### About PTGER2

Prostaglandin E2 receptor (53kDa), also known as EP2, is a prostaglandin receptor for prostaglandin E2. It is encoded by the human gene PTGER2. It may be associated with aspirin-induced asthma. PTGER2 is mapped to chromosome 14q22. This gene encodes a receptor for prostaglandin E2, a metabolite of arachidonic acid which has different biologic activities in a wide range of tissues. Mutations in this gene are associated with aspirin-induced susceptibility to asthma.

### Overview

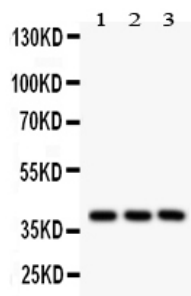
|                      |                                                                                                                                                                                                       |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name         | Anti-Prostaglandin E Receptor EP2/PTGER2 Antibody Picoband™                                                                                                                                           |
| Reactive Species     | Human                                                                                                                                                                                                 |
| Description          | Boster Bio Anti-Prostaglandin E Receptor EP2/PTGER2 Antibody Picoband™ catalog # PB9386. Tested in WB applications. This antibody reacts with Human.                                                  |
| Application          | WB                                                                                                                                                                                                    |
| Clonality            | Polyclonal                                                                                                                                                                                            |
| Formulation          | Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.                                                                                                                                   |
| 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           | P43116                                                                                                                                                                                                |

### Technical Details

|                               |                                                                                                                                                                                                           |
|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Immunogen                     | A synthetic peptide corresponding to a sequence at the C-terminus of human PTGER2, different from the related mouse sequence by four amino acids, and from the related rat sequence by three amino acids. |
| Predicted Reactive Species    | Hamster                                                                                                                                                                                                   |
| 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 | <p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>Western blot, 0.1-0.5ug/ml, Human</p> |

## Anti-Prostaglandin E Receptor EP2/PTGER2 Antibody Picoband™ (PB9386) Images



Anti-PTGER2 Picoband antibody, PB9386, Western blotting  
All lanes: Anti PTGER2 (PB9386) at 0.5ug/ml  
Lane 1: Human Placenta Tissue Lysate at 50ug  
Lane 2: A549 Whole Cell Lysate at 40ug  
Lane 3: HEPG2 Whole Cell Lysate at 40ug  
Predicted bind size: 40KD  
Observed bind size: 40KD

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