

## Anti-Hyaluronidase-3 HYAL3 Antibody Picoband®

Catalog Number: PA1856

### About HYAL3

HYAL3 (hyaluronoglucosaminidase 3) is an enzyme that in humans is encoded by the HYAL3 gene, also known as LUCA3, Hyaluronidase-3, Lung carcinoma protein 3, LUCA-3, LUCA14, Minna14. By Northern blot analysis, expression of a 2.1-kb HYAL3 transcript that was strongest in testis and bone marrow, but relatively weak in other organs. HYAL3 encodes a predicted 417-amino acid protein. This gene encodes a protein which is similar in structure to hyaluronidases. Hyaluronidases intracellularly degrade hyaluronan, one of the major glycosaminoglycans of the extracellular matrix. Hyaluronan is thought to be involved in cell proliferation, migration and differentiation. However, this protein has not yet been shown to have hyaluronidase activity. The gene is one of several related genes in a region of chromosome 3p21.3 associated with tumor suppression.

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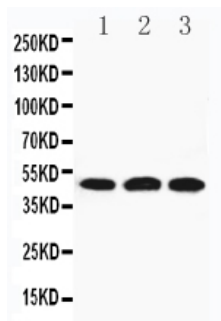
### Overview

|                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name         | Anti-Hyaluronidase-3 HYAL3 Antibody Picoband®                                                                                                                                                                                                                                                                                                                                                                                                        |
| Reactive Species     | Human, Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Description          | Boster Bio Anti-Hyaluronidase-3 HYAL3 Antibody catalog # PA1856. Tested in IHC, WB applications. This antibody reacts with Human, Mouse. 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          | IHC, WB                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Clonality            | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Formulation          | Each vial contains antibody formulated with stabilizing components, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.<br>*This antibody is supplied in a stabilized formulation. 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           | O43820                                                                                                                                                                                                                                                                                                                                                                                                                                               |

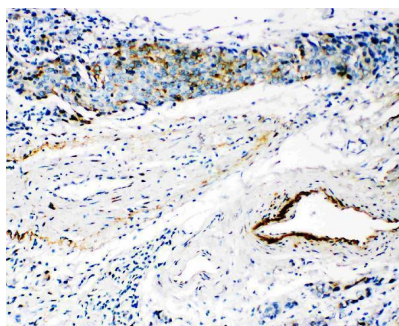
## Technical Details

|                               |                                                                                                                                                                                                                  |
|-------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Immunogen                     | A synthetic peptide corresponding to a sequence at the C-terminus of human HYAL3, different from the related rat sequence by three amino acids, and different from the related mouse sequence by one amino acid. |
| Recommended Detection Systems | Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot, and HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit (SV0002-1) for IHC(P).                                 |
| 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           | Immunohistochemistry (Paraffin-embedded Section), 0.5-1ug/ml, Human, Mouse<br>Western blot, 0.1-0.5ug/ml, Human, Mouse                                                                                           |

## Anti-Hyaluronidase-3 HYAL3 Antibody Picoband® (PA1856) Images



Anti-HYAL3 antibody, PA1856, Western blotting  
Lane 1: 22RV Cell Lysate  
Lane 2: HELA Cell Lysate  
Lane 3: V20S Cell Lysate



Anti-HYAL3 antibody, PA1856, IHC(P)  
IHC(P): Human Mammary Cancer Tissue

### [Anti-Hyaluronidase-3 HYAL3 Antibody](#)

For Research Use Only. Not for use in diagnostic procedures.