

Datasheet for ABIN3044086  
**anti-HYAL3 antibody (C-Term)**[Go to Product page](#)

## 2 Images

## Overview

Quantity:	100 µg
Target:	HYAL3
Binding Specificity:	AA 357-371, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Purpose:	Rabbit IgG polyclonal antibody for Hyaluronidase-3(HYAL3) detection. Tested with WB, IHC-P in Human, Mouse.
Immunogen:	A synthetic peptide corresponding to a sequence at the C-terminus of human HYAL3(357-371aa SHQRCHGHGRCARRD), different from the related rat sequence by three amino acids, and different from the related mouse sequence by one amino acid.
Sequence:	SHQRCHGHGR CARRD
Isotype:	IgG
Cross-Reactivity (Details):	<p>Predicted Cross Reactivity: mouse</p> <p>No cross reactivity with other proteins.</p> <p>Predicted Cross Reactivity: Species predicted to be fit for the product based on sequence similarities.</p>
Characteristics:	Rabbit IgG polyclonal antibody for Hyaluronidase-3(HYAL3) detection. Tested with WB, IHC-P in

## Product Details

Human,Mouse.

Gene Name: hyaluronoglucosaminidase 3

Protein Name: Hyaluronidase-3(Hyal-3)

Purification: Immunogen affinity purified.

## Target Details

Target: HYAL3

Alternative Name: HYAL3 ([HYAL3 Products](#))

Background: 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 though 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.

Synonyms: Hyal-3 antibody|HYAL3 antibody|HYAL3\_HUMAN antibody|Hyaluronidase 3 antibody|Hyaluronidase-3 antibody|Hyaluronoglucosaminidase 3 antibody|Hyaluronoglucosaminidase-3 antibody|LUCA-3 antibody|LUCA14 antibody|LUCA3 antibody|Lung carcinoma protein 3 antibody|Minna14 antibody

UniProt: [O43820](#)

Pathways: [Glycosaminoglycan Metabolic Process](#)

## Application Details

Application Notes: WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, Predicted Species: Mouse  
IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Human, Predicted Species: Mouse, Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections.  
Notes: Tested Species: Species with positive results. Predicted Species: Species predicted to be fit for the product based on sequence similarities. Other applications have not been tested.

## Application Details

Optimal dilutions should be determined by end users.

Comment: Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P).

Restrictions: For Research Use only

## Handling

Format: Lyophilized

Reconstitution: Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.

Concentration: 500 µg/mL

Buffer: Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na<sub>2</sub>HPO<sub>4</sub>, 0.05 mg Thimerosal, 0.05 mg Sodium azide.

Preservative: Thimerosal (Merthiolate), Sodium azide

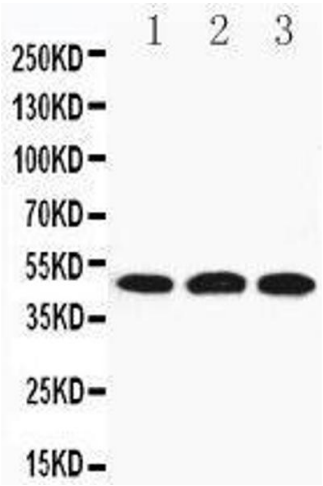
Precaution of Use: This product contains Sodium azide and Thimerosal (Merthiolate): POISONOUS AND HAZARDOUS SUBSTANCES which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

Storage: 4 °C/-20 °C

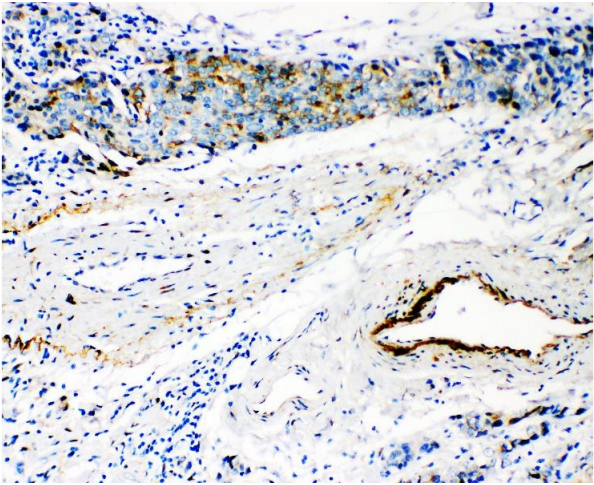
Storage Comment: At -20°C for one year. After reconstitution, at 4°C for one month.  
It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

Expiry Date: 12 months



**Western Blotting**

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



**Immunohistochemistry**

**Image 2.** Anti-HYAL3 antibody, IHC(P) IHC(P): Human Mammary Cancer Tissue