

## Product datasheet for **AP52134PU-N**

### **HYAL2 (C-term) Rabbit Polyclonal Antibody**

#### **Product data:**

|                       |   |
|-----------------------|---|
| Product Type:         | Primary Antibodies  |
| Applications:         | FC, IHC, WB   |
| Recommended Dilution: | <b>ELISA:</b> 1/1000.<br><b>Western Blot:</b> 1/1000.<br><b>Flow Cytometry:</b> 1/10-1/50.<br><b>Immunohistochemistry on Paraffin Sections:</b> 1/50-1/100. |
| Reactivity:           | Human   |
| Host:                 | Rabbit  |
| Isotype:              | Ig  |
| Clonality:            | Polyclonal  |
| Immunogen:            | KLH conjugated synthetic peptide between 385-412 amino acids from the C-terminal region of human HYAL2 / Hyaluronidase-2                                    |
| Specificity:          | This antibody recognizes Human HYAL2 / Hyaluronidase-2 (C-term).  |
| Formulation:          | PBS containing 0.09% (W/V) Sodium Azide as preservative<br>State: Aff - Purified<br>State: Liquid purified Ig fraction                                      |
| Concentration:        | lot specific  |
| Purification:         | Protein A column, followed by peptide affinity purification   |
| Conjugation:          | Unconjugated  |
| Storage:              | Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.<br>Avoid repeated freezing and thawing.  |
| Stability:            | Shelf life: one year from despatch.   |
| Gene Name:            | hyaluronoglucosaminidase 2  |
| Database Link:        | <a href="#">Entrez Gene 8692 Human Q12891</a>   |



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**Background:**

This gene encodes a weak acid-active hyaluronidase. The encoded protein is similar in structure to other more active hyaluronidases. Hyaluronidases degrade hyaluronan, one of the major glycosaminoglycans of the extracellular matrix. Hyaluronan and fragments of hyaluronan are thought to be involved in cell proliferation, migration and differentiation. Although it was previously thought to be a lysosomal hyaluronidase that is active at a pH below 4, the encoded protein is likely a GPI-anchored cell surface protein. This hyaluronidase serves as a receptor for the oncogenic virus Jaagsiekte sheep retrovirus. The gene is one of several related genes in a region of chromosome 3p21.3 associated with tumor suppression. This gene encodes two alternatively spliced transcript variants which differ only in the 5' UTR.

**Synonyms:**

LUCA2, Hyal-2, Hyaluronoglucosaminidase-2, Lung carcinoma protein 2

**Note:**

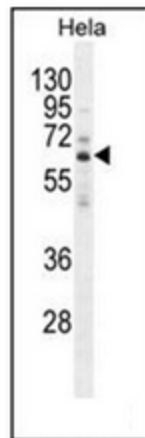
**Molecular Weight:** 53860 Da

**Protein Families:**

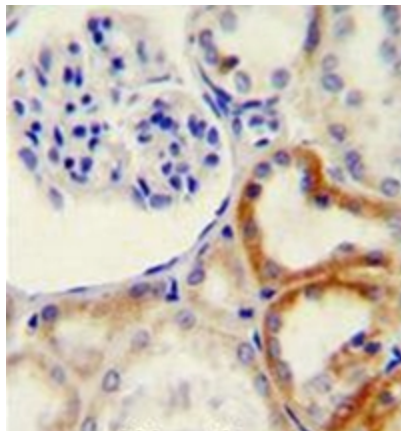
Druggable Genome

**Protein Pathways:**

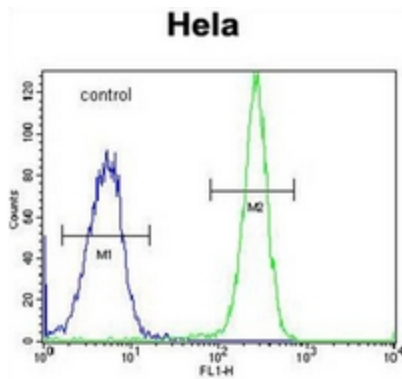
Glycosaminoglycan degradation, Metabolic pathways

**Product images:**

Western blot analysis of HYAL2 Antibody (C-term) in HeLa cell line lysates (35ug/lane). This demonstrates the HYAL2 antibody detected the HYAL2 protein (arrow).



Immunohistochemistry analysis in formalin fixed and paraffin embedded human kidney tissue reacted with HYAL2 Antibody (C-term), which was peroxidase conjugated to the secondary antibody and followed by DAB staining.



Flow cytometric analysis of HeLa cells using HYAL2 Antibody (C-term) (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.