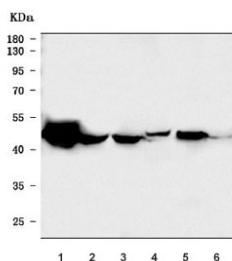


## HYAL1 Antibody (R31302)

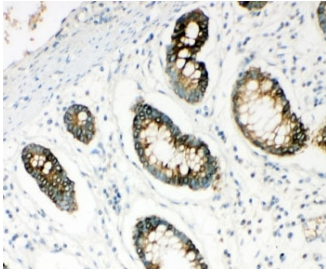
Catalog No.	Formulation	Size
R31302	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

[Bulk quote request](#)

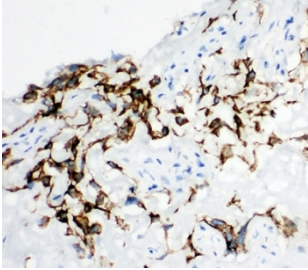
<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human, Mouse, Rat, Monkey
<b>Format</b>	Antigen affinity purified
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Antigen affinity
<b>Buffer</b>	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
<b>UniProt</b>	Q12794
<b>Applications</b>	Western Blot : 0.5-1ug/ml IHC (FFPE) : 0.5-1ug/ml IHC (Frozen) : 0.5-1ug/ml Immunocytochemistry : 0.5-1ug/ml
<b>Limitations</b>	This HYAL1 antibody is available for research use only.



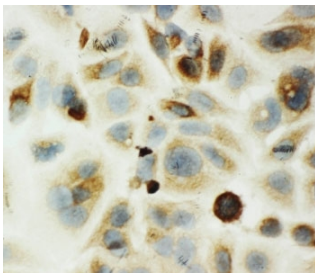
Western blot testing of 1) human HepG2, 2) human PC-3, 3) monkey COS-7, 4) rat liver, 5) mouse liver and 6) mouse kidney tissue lysate with HYAL1 antibody. Expected molecular weight: 48-60 kDa.



IHC-P: HYAL1 antibody testing of human intestine cancer tissue.



IHC-F testing of HYAL1 antibody and human placenta tissue.



ICC testing of HYAL1 antibody and MCF-7 cells.

## Description

Hyaluronidase-1, also known as LUCA1, is an enzyme that in humans is encoded by the HYAL1 gene. The gene is one of several related genes in a region of chromosome 3p21.3 associated with tumor suppression. This gene encodes a lysosomal hyaluronidase. 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. This enzyme is active at an acidic pH and is the major hyaluronidase in plasma. Mutations in this gene are associated with mucopolysaccharidosis type IX, or hyaluronidase deficiency.

## Application Notes

The stated application concentrations are suggested starting amounts. Titration of the HYAL1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

An amino acid sequence from the N-terminus of human Hyaluronidase-1 (FTTVWNANTQWCLERH) was used as the immunogen for this HYAL1 antibody.

## Storage

After reconstitution, the HYAL1 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.

