

## Product datasheet

# Anti-HYAL1 antibody [EPR5542] ab180143

Recombinant RabMAb

2 Images

### Overview

<b>Product name</b>	Anti-HYAL1 antibody [EPR5542]
<b>Description</b>	Rabbit monoclonal [EPR5542] to HYAL1
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Synthetic peptide within Human HYAL1 aa 350 to the C-terminus (C terminal). The exact sequence is proprietary. Database link: <a href="#">Q12794</a>
<b>Positive control</b>	HepG2, LnCap and HT-1376 cell lysates.
<b>General notes</b>	This product is a recombinant monoclonal antibody, which offers several advantages including: <ul style="list-style-type: none"><li>- High batch-to-batch consistency and reproducibility</li><li>- Improved sensitivity and specificity</li><li>- Long-term security of supply</li><li>- Animal-free production</li></ul> For more information <a href="#">see here</a> . Our RabMAb <sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a> .

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.5% BSA
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR5542

Isotype

IgG

## Applications

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### The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab180143 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/1000. Detects a band of approximately 60 kDa (predicted molecular weight: 48 kDa).

## Target

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### Function

May have a role in promoting tumor progression. May block the TGFB1-enhanced cell growth.

### Tissue specificity

Highly expressed in the liver, kidney and heart. Weakly expressed in lung, placenta and skeletal muscle. No expression detected in adult brain. Isoform 1 is expressed only in bladder and prostate cancer cells, G2/G3 bladder tumor tissues and lymph node specimens showing tumor invasive tumors cells. Isoform 3, isoform 4, isoform 5 and isoform 6 are expressed in normal bladder and bladder tumor tissues.

### Involvement in disease

Defects in HYAL1 are the cause of mucopolysaccharidosis type 9 (MPS9) [MIM:601492]; also called hyaluronidase deficiency. MPS9 is a lysosomal storage disease characterized by high hyaluronan (HA) concentration in the serum. The clinical features are periarticular soft tissue masses, mild short stature and acetabular erosions, and absence of neurological or visceral involvement.

### Sequence similarities

Belongs to the glycosyl hydrolase 56 family.  
Contains 1 EGF-like domain.

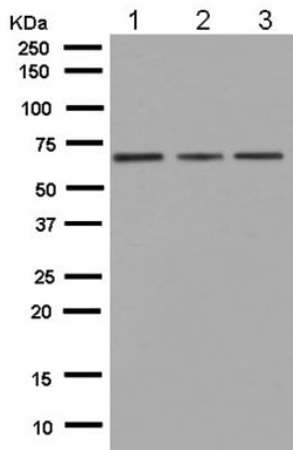
### Cellular localization

Secreted. Lysosome.

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## Images

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Western blot - Anti-HYAL1 antibody [EPR5542] (ab180143)

**All lanes** : Anti-HYAL1 antibody [EPR5542] (ab180143) at 1/1000 dilution

**Lane 1** : HepG2 cell lysate

**Lane 2** : LnCap cell lysate

**Lane 3** : HT-1376 cell lysate

Lysates/proteins at 10 µg per lane.

**Secondary**





**All lanes** : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

**Predicted band size:** 48 kDa

**Observed band size:** 60 kDa

Blocking buffer and concentration: 5%NFDM/TBST

Why choose a recombinant antibody?

 <b>Research with confidence</b> Consistent and reproducible results	 <b>Long-term and scalable supply</b> Recombinant technology
 <b>Success from the first experiment</b> Confirmed specificity	 <b>Ethical standards compliant</b> Animal-free production

Anti-HYAL1 antibody [EPR5542] (ab180143)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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- We investigate all quality concerns to ensure our products perform to the highest standards

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