



## International Office

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**Research Use Only. Not for  
diagnostic or therapeutic use.**

## EB07871 - Goat Anti-Hyaluronidase 1 Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** hyaluronoglucosaminidase 1, HYAL-1, LUCA1, MGC45987, NAT6, hyaluronidase 1, plasma hyaluronidase, tumor suppressor LUCA-1

**Official Symbol:** HYAL1

**Accession Number(s):** NP\_009296.1; NP\_695014.1; NP\_695015.1; NP\_695017.1;

**Human GeneID(s):** [3373](#)

**Important Comments:** This antibody is expected to recognise isoform 1 (NP\_009296.1), isoform 3 (NP\_695015.1) and isoform 5 (NP\_695017.1).

### Immunogen

Peptide with sequence ENTRTKESCQAIKEY, from the internal region of the protein sequence according to NP\_009296.1; NP\_695014.1; NP\_695015.1; NP\_695017.1;.

Please note the [peptide](#) is available for sale.

### Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

### Applications Tested

**Peptide ELISA:** antibody detection limit dilution 1:128000.

**IHC:** Paraffin embedded Human Liver. Recommended concentration: 5µg/ml.

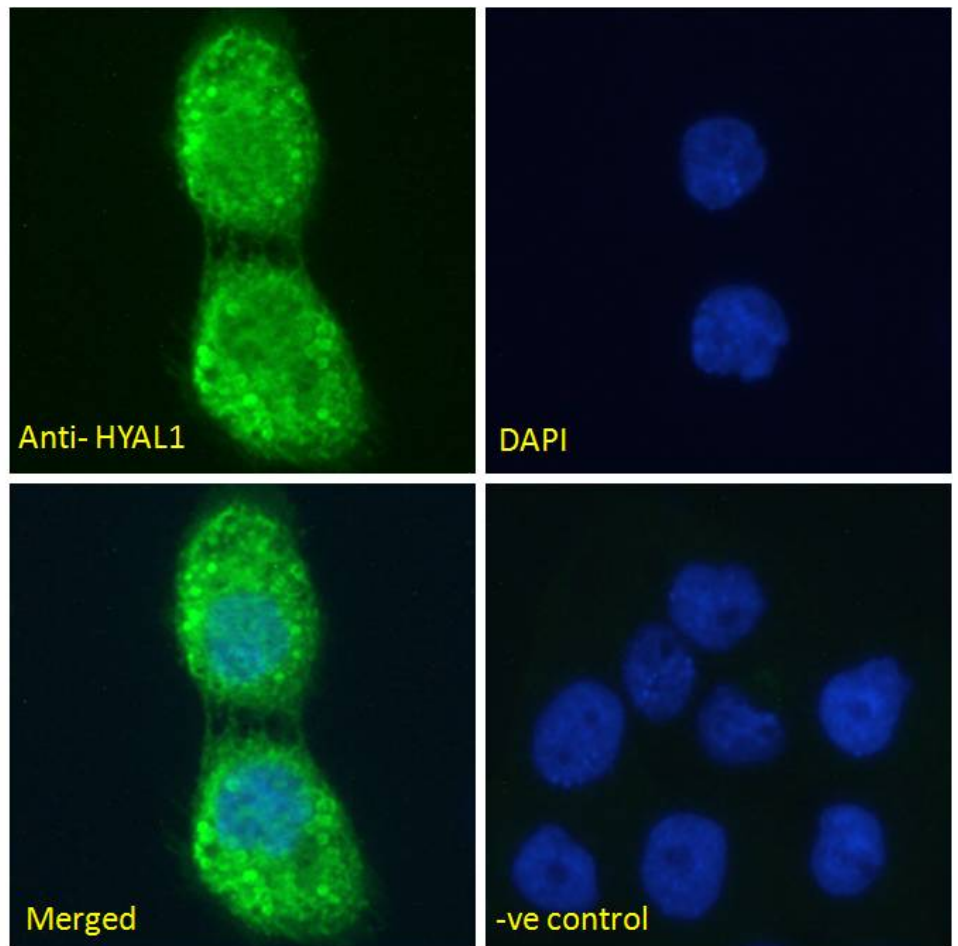
**Immunofluorescence:** Strong expression of the protein seen in the cytoplasm of A431 and HeLa cells. Recommended concentration: 10µg/ml.

**Flow Cytometry:** Flow cytometric analysis of HepG2 cells. Recommended concentration: 10ug/ml.

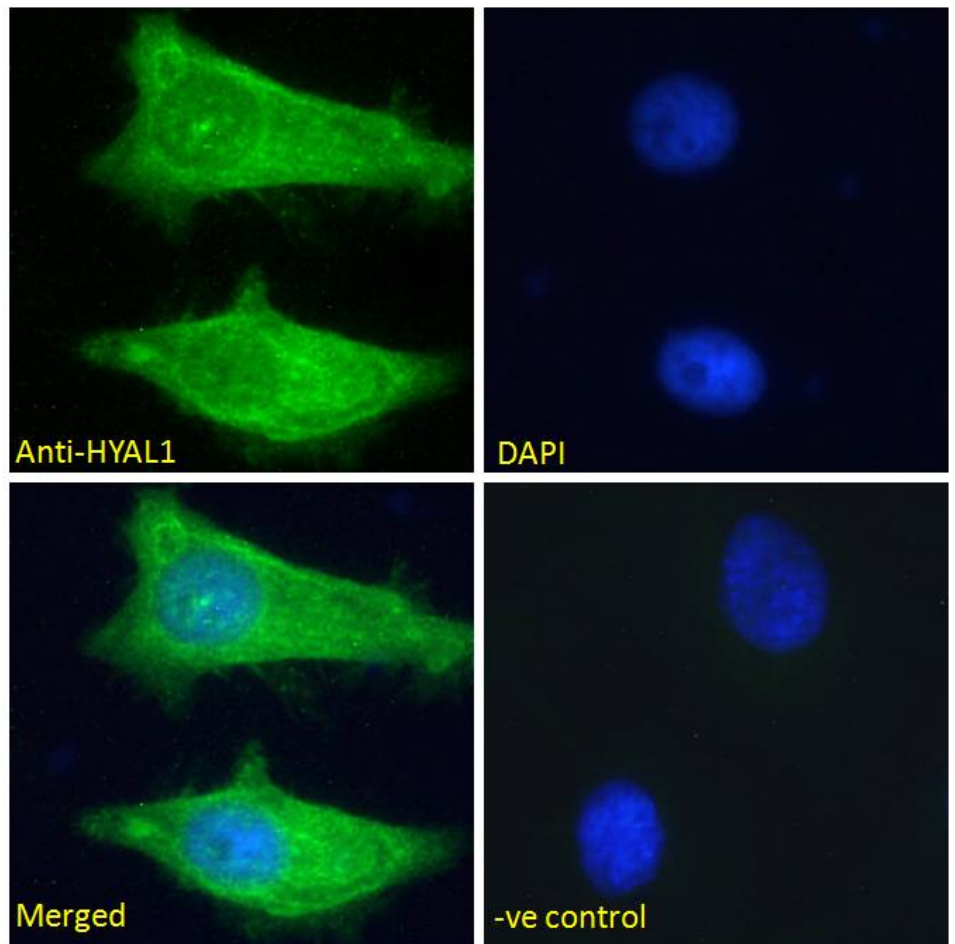
### Species Reactivity

**Tested:** Human

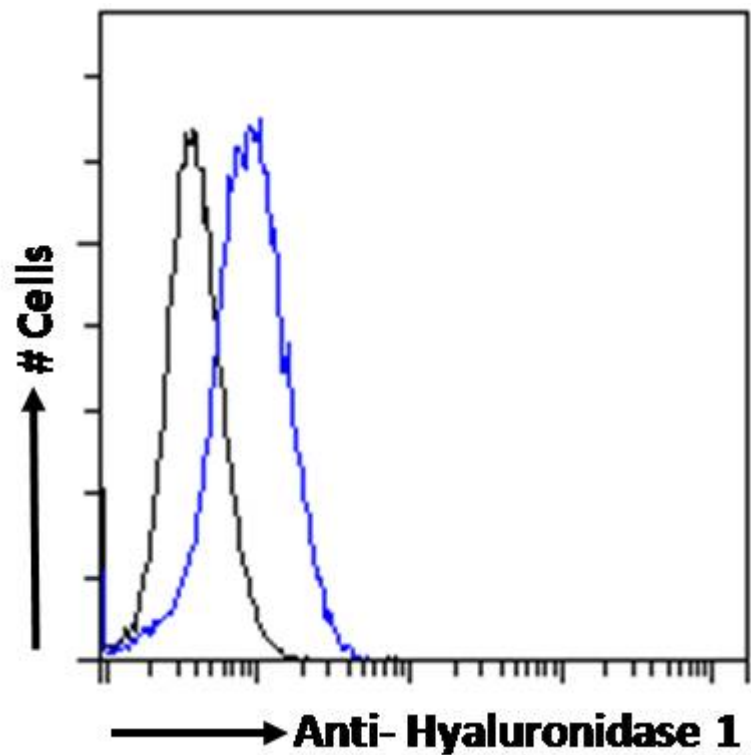
**Expected from sequence similarity:** Human, Mouse, Rat, Dog, Pig, Cow



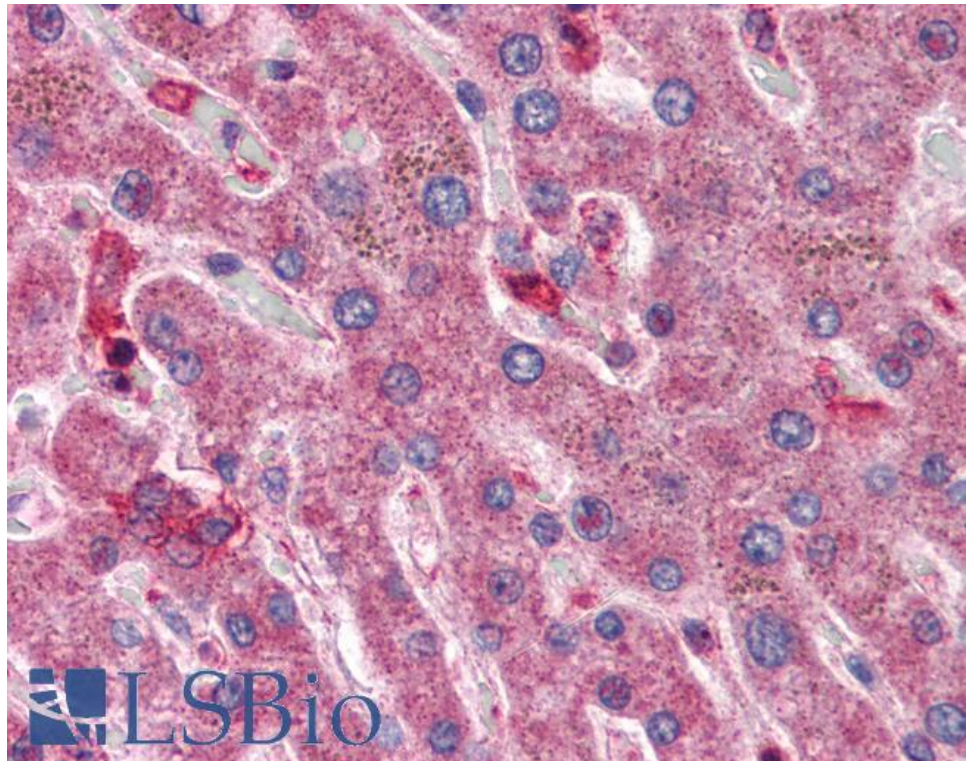
EB07871 Immunofluorescence analysis of paraformaldehyde fixed A431 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



EB07871 Immunofluorescence analysis of paraformaldehyde fixed HeLa cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



EB07871 Flow cytometric analysis of paraformaldehyde fixed HepG2 cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.



EB07871 (5µg/ml) staining of paraffin embedded Human Liver. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.