

# Product Datasheet

## Hyaluronidase 1/HYAL1 Antibody NBP1-00201

Unit Size: 0.1 mg

Store at -20C. Avoid freeze-thaw cycles.

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**NBP1-00201****Hyaluronidase 1/HYAL1 Antibody**

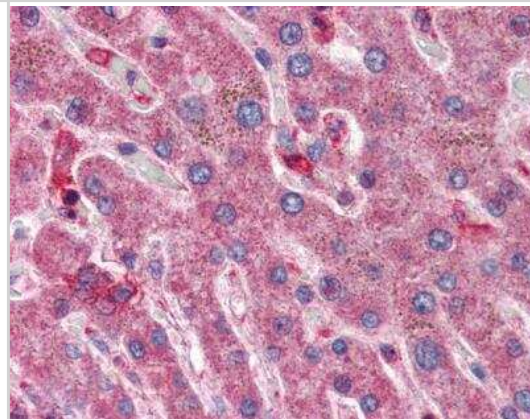
<b>Product Information</b>	
<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	0.5 mg/ml
<b>Storage</b>	Store at -20C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.02% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Immunogen affinity purified
<b>Buffer</b>	Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA

<b>Product Description</b>	
<b>Description</b>	Novus Biologicals Goat Hyaluronidase 1/HYAL1 Antibody (NBP1-00201) is a polyclonal antibody validated for use in IHC, ELISA, Flow and ICC/IF. Anti-Hyaluronidase 1/HYAL1 Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Goat
<b>Gene ID</b>	3373
<b>Gene Symbol</b>	HYAL1
<b>Species</b>	Human
<b>Specificity/Sensitivity</b>	This antibody is expected to recognise isoform 1 (NP_009296.1), isoform 2 (NP_695014.1), isoform 3 (NP_695015.1) and isoform 5 (NP_695017.1). Reported variants represent identical protein (NP_009296.1; NP_149349.2; NP_695013.1).
<b>Immunogen</b>	Peptide with sequence ENTRTKESCQAIKEY corresponding to internal region according to NP_009296.1, NP_695014.1, NP_695015.1, NP_695017.1.

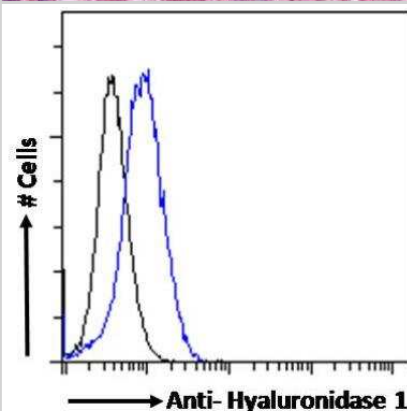
<b>Product Application Details</b>	
<b>Applications</b>	Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Peptide ELISA
<b>Recommended Dilutions</b>	Flow Cytometry, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Peptide ELISA Detection limit 1:128000
<b>Application Notes</b>	WB: Preliminary experiments gave an approx. 35 kDa band in human brain (cerebellum, frontal cortex) lysates after 0.1 ug/ml antibody staining. Please note that currently we cannot find an explanation in the literature for the band we observe given the calculated size of 48.4 kDa band according to isoform 1 (NP_009296.1, NP_149349.2, NP_695013.1), 27.9 kDa band according to isoform 3 (NP_695015.1) and 19.4 kDa band according to isoform 5 (NP_695017.1). The 35 kDa band was successfully blocked by incubation with the immunizing peptide.

## Images

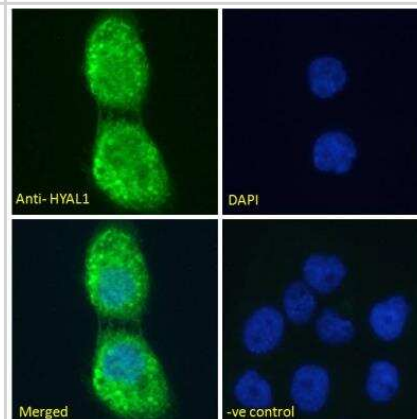
Immunohistochemistry: Hyaluronidase 1/HYAL1 Antibody [NBP1-00201] - (5ug/ml) staining of paraffin embedded Human Liver. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



Flow Cytometry: Hyaluronidase 1/HYAL1 Antibody [NBP1-00201] - 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.



Immunofluorescence: Hyaluronidase 1/HYAL1 Antibody [NBP1-00201] - 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).



Immunofluorescence: Hyaluronidase 1/HYAL1 Antibody [NBP1-00201] - 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).



## Publications

Daginakatte GC, Gutmann DH. Neurofibromatosis-1 (Nf1) heterozygous brain microglia elaborate paracrine factors that promote Nf1-deficient astrocyte and glioma growth. Hum Mol Genet 2007-05-01 [PMID: 17400655]



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### **Products Related to NBP1-00201**

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NBL1-11791	Hyaluronidase 1/HYAL1 Overexpression Lysate
HAF017	Rabbit anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
HAF109	Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
NB410-28088-1mg	Goat IgG Isotype Control

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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