

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**

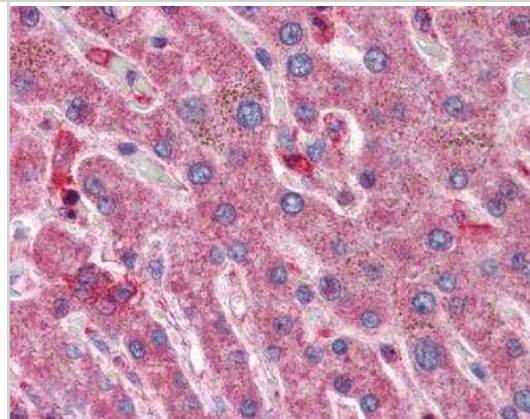
Product Information	
Unit Size	0.1 mg
Concentration	0.5 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA

Product Description	
Host	Goat
Gene ID	3373
Gene Symbol	HYAL1
Species	Human
Specificity/Sensitivity	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).
Immunogen	Peptide with sequence ENTRTKESCQAIKEY corresponding to internal region according to NP_009296.1, NP_695014.1, NP_695015.1, NP_695017.1.

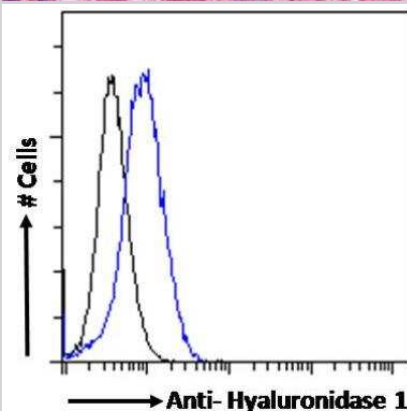
Product Application Details	
Applications	Flow Cytometry, Immunohistochemistry, Peptide ELISA, Immunofluorescence
Recommended Dilutions	Flow Cytometry, Immunohistochemistry, Peptide ELISA Detection limit 1:128000, Immunofluorescence
Application Notes	WB: Preliminary experiments gave an approx. 35 kDa 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

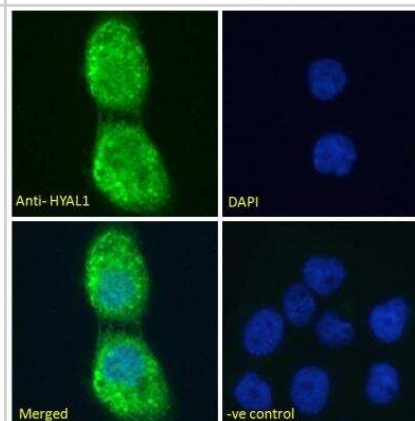
Immunohistochemistry: Hyaluronidase 1/HYAL1 Antibody [NBP1-00201] - (5ug/ml) staining of paraffin embedded Human Liver. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



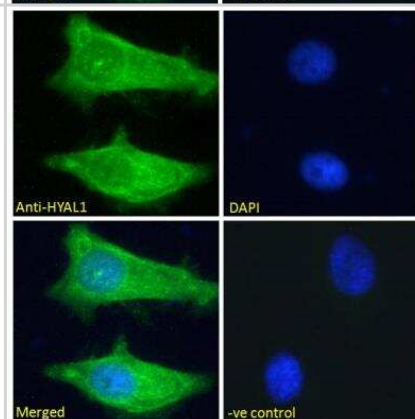
Flow Cytometry: Hyaluronidase 1/HYAL1 Antibody [NBP1-00201] - Analysis of paraformaldehyde fixed HepG2 cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control: Unimmunized goat IgG (black line) followed by 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

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

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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