

Product Datasheet

Chitotriosidase/CHIT1 Antibody - BSA Free NBP1-84490

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBP1-84490

Chitotriosidase/CHIT1 Antibody - BSA Free

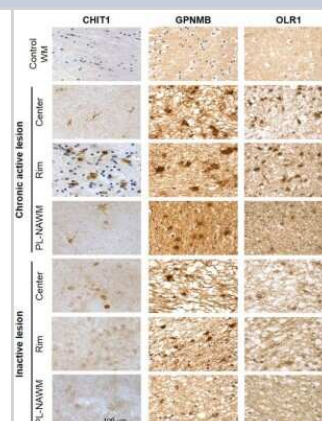
| Product Information | |
|----------------------|--|
| Unit Size | 0.1 ml |
| Concentration | Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services. |
| Storage | Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles. |
| Clonality | Polyclonal |
| Preservative | 0.02% Sodium Azide |
| Isotype | IgG |
| Purity | Affinity purified |
| Buffer | PBS (pH 7.2) and 40% Glycerol |

| Product Description | |
|---------------------|--|
| Description | Novus Biologicals Rabbit Chitotriosidase/CHIT1 Antibody - BSA Free (NBP1-84490) is a polyclonal antibody validated for use in IHC and WB. Anti-Chitotriosidase/CHIT1 Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee. |
| Host | Rabbit |
| Gene ID | 1118 |
| Gene Symbol | CHIT1 |
| Species | Human |
| Immunogen | This antibody was developed against Recombinant Protein corresponding to amino acids: FDDVESFKTKVSYLKQKGLGGAMVWALDLDLDFAGFSCNQGRYPLIQTLRQELS LPYLPSGTPELEVPKPGQPSEPEHGPSPGQDTFCQKGADGLYPNPRERSSFY SCAAGRLFQQSCPTGLVFSNSCKCCTWN |

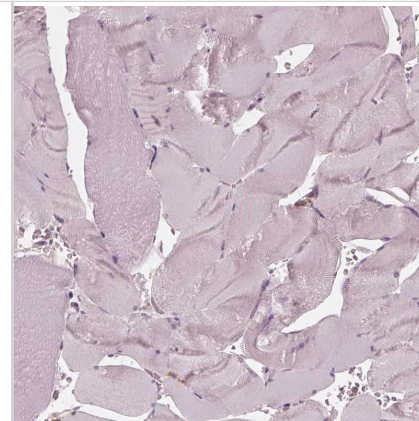
| Product Application Details | |
|------------------------------|--|
| Applications | Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry |
| Recommended Dilutions | Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:200 - 1:500, Immunohistochemistry-Paraffin 1:200 - 1:500 |
| Application Notes | For IHC-Paraffin, HIER pH 6 retrieval is recommended. |

Images

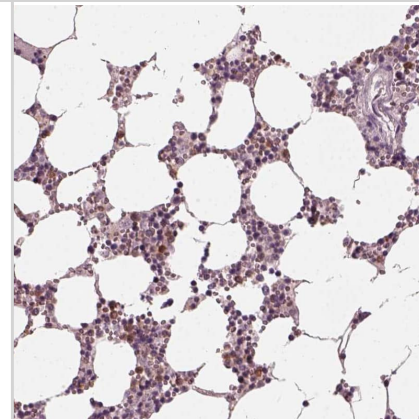
Chitotriosidase-CHIT1-Antibody-Immunohistochemistry-Paraffin-NBP1-84490-img0010.jpg



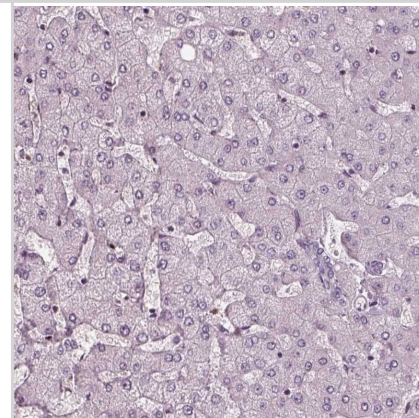
Staining of human skeletal muscle shows no positivity in myocytes as expected.



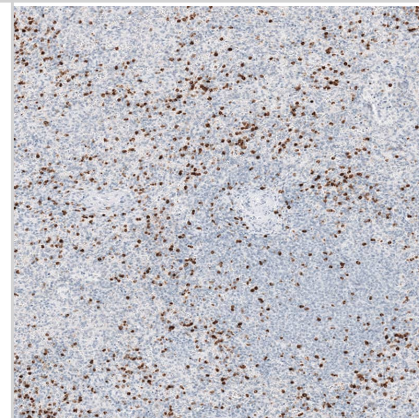
Staining of human bone marrow shows moderate cytoplasmic positivity in hematopoietic cells.



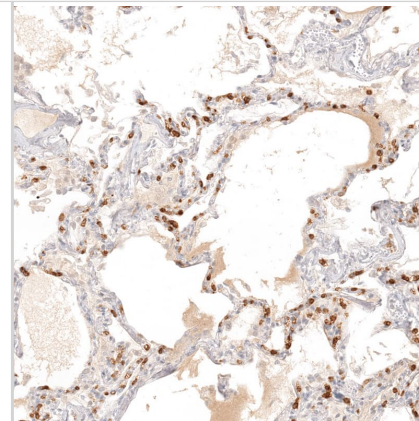
Staining of human liver shows no positivity in hepatocytes as expected.



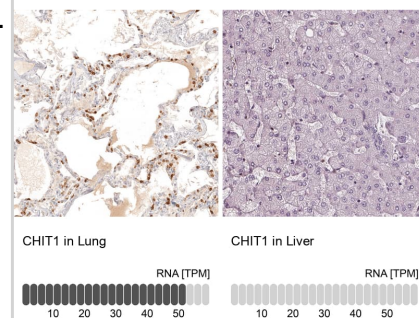
Staining of human spleen shows strong cytoplasmic positivity in cells in red pulp.



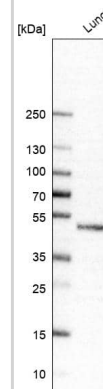
Staining of human lung shows strong cytoplasmic positivity in granulocytes.



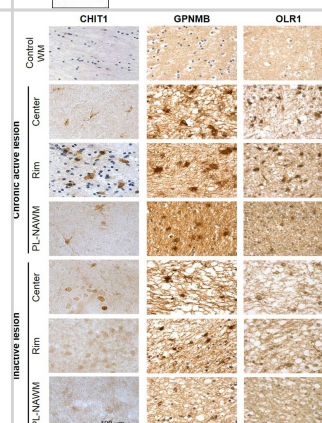
Analysis in human lung and liver tissues using HPA010575 antibody. Corresponding CHIT1 RNA-seq data are presented for the same tissues.



Analysis in human lung tissue.



Expression of CHIT1, GPNMB, and OLR1 in and around multiple sclerosis (MS) lesions. Protein expression of CHIT1, GPNMB, and OLR1 in control tissue and in the center, rim, and peri-lesional (PL)-normal appearing white matter (NAWM) of chronic active and inactive MS lesions determined by immunohistochemistry. Scale bar = 100 μ m. Image collected and cropped by CiteAb from the following open publication (<https://pubmed.ncbi.nlm.nih.gov/29312322>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Hendrickx DAE, van Scheppingen J, van der Poel M et al. Gene Expression Profiling of Multiple Sclerosis Pathology Identifies Early Patterns of Demyelination Surrounding Chronic Active Lesions *Front Immunol* 2017-12-21 [PMID: 29312322] (IHC-P, Human)



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Products Related to NBP1-84490

| | |
|---------------|---|
| NBP1-84490PEP | Chitotriosidase/CHIT1 Recombinant Protein Antigen |
| NBP2-33376H | Blue Marker Antibody (6F4-F6) [HRP] |
| HAF008 | Goat anti-Rabbit IgG Secondary Antibody [HRP] |
| NB7160 | Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP] |
| NBP2-24891 | Rabbit 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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