

Product Datasheet

ATRX Antibody - BSA Free

NBP1-83077

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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Updated 2/21/2025 v.20.1

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NBP1-83077

ATRX 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 | Immunogen affinity purified |
| Buffer | PBS (pH 7.2) and 40% Glycerol |

Product Description

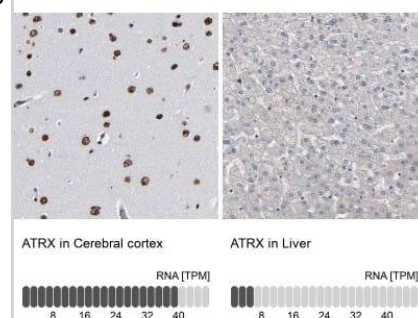
| | |
|--------------------|---|
| Host | Rabbit |
| Gene ID | 546 |
| Gene Symbol | ATRX |
| Species | Human |
| Immunogen | This antibody was developed against Recombinant Protein corresponding to amino acids: AAWAEYEAEEKGLTMRFNIPGTNLPPVSFNSQTPYIPFNLGALSAMSNQQLE DLINQGREKVVVEATNSVTAVRIQPLEDIISAVWKENMNLSEAQVQALALSRQAS QELDVKRREAIYNDVLTKQQMLISCVRILMNRR |

Product Application Details

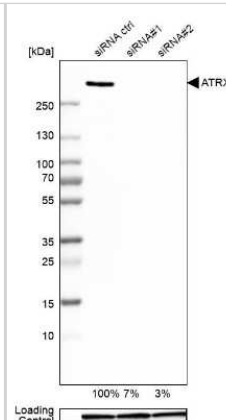
| | |
|------------------------------|---|
| Applications | Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Knockdown Validated |
| Recommended Dilutions | Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:500 - 1:1000, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:500 - 1:1000, Knockdown Validated |
| Application Notes | For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation/Permeabilization: PFA/Triton X-100 |

Images

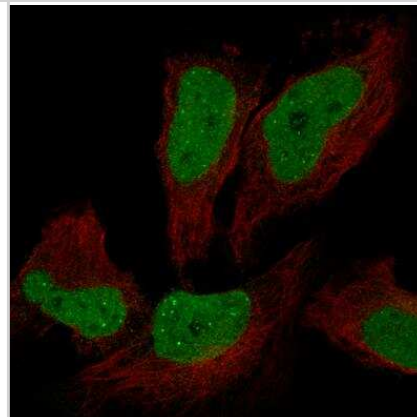
Immunohistochemistry-Paraffin: ATRX Antibody [NBP1-83077] - Staining in human cerebral cortex and liver tissues . Corresponding ATRX RNA-seq data are presented for the same tissues.



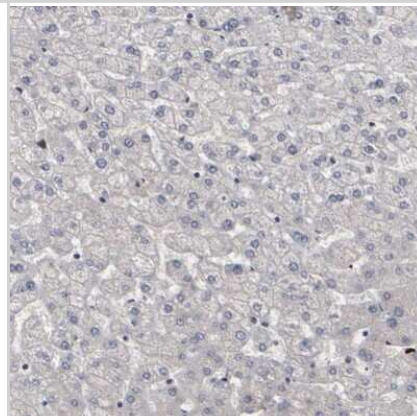
Western Blot: ATRX Antibody [NBP1-83077] - Analysis in A-549 cells transfected with control siRNA, target specific siRNA probe #1 and #2, using anti-ATRX antibody. Remaining relative intensity is presented. Loading control: anti-GAPDH.



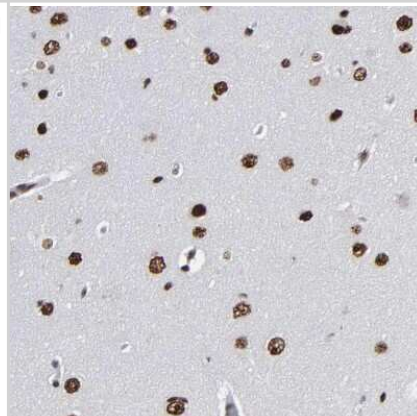
Immunocytochemistry/Immunofluorescence: ATRX Antibody [NBP1-83077] - Staining of human cell line A549 shows localization to nucleoplasm and nuclear bodies. Antibody staining is shown in green.



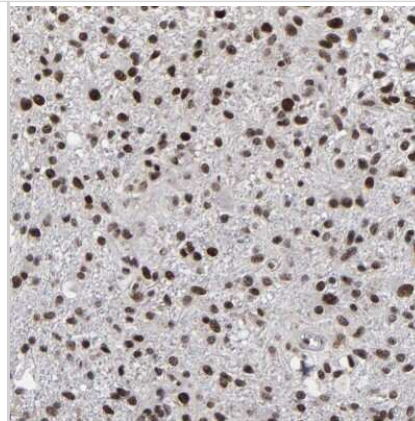
Immunohistochemistry-Paraffin: ATRX Antibody [NBP1-83077] - Staining of human liver shows no positivity in hepatocytes as expected.



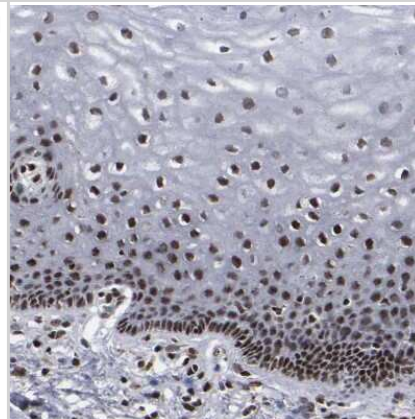
Immunohistochemistry-Paraffin: ATRX Antibody [NBP1-83077] - Staining of human cerebral cortex shows moderate nuclear positivity in neurons and glial cells.



Immunohistochemistry-Paraffin: ATRX Antibody [NBP1-83077] - Staining of human glioma shows moderate to strong nuclear positivity in tumor cells.



Immunohistochemistry-Paraffin: ATRX Antibody [NBP1-83077] - Staining of human uterine cervix shows moderate to strong nuclear positivity in squamous epithelial cells.



Publications

Minniti G, Paolini S, Antonelli M et al. Long-term treatment outcomes of temozolomide-based chemoradiation in patients with adult-type diffuse IDH-mutant grade 2 astrocytoma J Neurooncol 2023-09-04 [PMID: 37665475]

Familiari P, Relucenti M, Lapolla P et al. Adult IDH Wild-Type Glioblastoma Ultrastructural Investigation Suggests a Possible Correlation between Morphological Biomarkers and Ki-67 Index Biomedicines 2023-07-12 [PMID: 37509607] (IHC, Human)

Familiari P, Lapolla P, Picotti V et al. Role of 1p/19q Codeletion in Diffuse Low-grade Glioma Tumour Prognosis Anticancer research 2023-06-01 [PMID: 37247932] (Immunohistochemistry-Paraffin, Human)

Zhang PP, He ZC, Yao XH et al. COVID-19-associated monocytic encephalitis (CAME): histological and proteomic evidence from autopsy Signal transduction and targeted therapy 2023-01-06 [PMID: 36609561] (IHC-P, Human)

Details:

COVID-19 Brain sections, dilution used 1:1000

Alzoubi H, Minasi S, Gianno F et al. Alternative Lengthening of Telomeres (ALT) and Telomerase Reverse Transcriptase Promoter Methylation in Recurrent Adult and Primary Pediatric Pituitary Neuroendocrine Tumors Endocrine pathology 2022-01-06 [PMID: 34993885] (IF/IHC)

Gianno F, Antonelli M, Di Dio T, et al. Correlation Between Immunohistochemistry and Sequencing in H3G34-Mutant Gliomas The American journal of surgical pathology 2021-02-01 [PMID: 33428336]

Minasi S, Baldi C, Gianno F et al. Alternative lengthening of telomeres in molecular subgroups of paediatric high-grade glioma Childs Nerv Syst 2020-10-31 [PMID: 33128602] (IF/IHC, Human)

Li X, Oh S, Song H et al. A potential common role of the Jumonji C domain containing 1A histone demethylase and chromatin remodeler ATRX in promoting colon cancer. Oncol Lett 2018-09-24 [PMID: 30405805] (WB, Human)

Minasi S, Baldi C, Pietsch T et al. Telomere elongation via alternative lengthening of telomeres (ALT) and telomerase activation in primary metastatic medulloblastoma of childhood J. Neurooncol. 2019-03-04 [PMID: 30830680] (IF/IHC, Human)

ssa Francesca DSMP, Buttarelli R. Biomolecular characterization of metastatic medulloblastoma and study of telomere lengthening control Thesis 2017-01-01 (IHC-P, Human)

Masayuki Yoshida, Reiko Ogawa, Hiroshi Yoshida et al. TERT promoter mutations are frequent and show association with MED12 mutations in phyllodes tumors of the breast. British Journal of Cancer 2015-09-10 [PMID: 26355235] (IF/IHC, Human)

Napier CE, Huschtscha LI, Harvey A et al. ATRX represses alternative lengthening of telomeres. Oncotarget 2015-06-30 [PMID: 26001292] (WB, Human)

More publications at <http://www.novusbio.com/NBP1-83077>





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Products Related to NBP1-83077

| | |
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| NBP1-83077PEP | ATRX Recombinant Protein Antigen |
| 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

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