

# Product Datasheet

## ATRX Antibody NBP1-32851

Unit Size: 0.1 ml

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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**NBP1-32851****ATRX Antibody****Product Information**

<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.025% Proclin 300
<b>Isotype</b>	IgG
<b>Purity</b>	Antigen Affinity-purified
<b>Buffer</b>	PBS (pH 7), 20% Glycerol, 1% BSA
<b>Target Molecular Weight</b>	283 kDa

**Product Description**

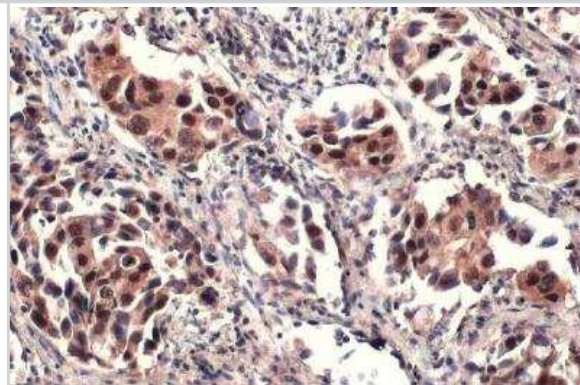
<b>Host</b>	Rabbit
<b>Gene ID</b>	546
<b>Gene Symbol</b>	ATRX
<b>Species</b>	Human, Mouse, Rat
<b>Immunogen</b>	Recombinant protein encompassing a sequence within the C-terminus region of human ATRX. The exact sequence is proprietary.

**Product Application Details**

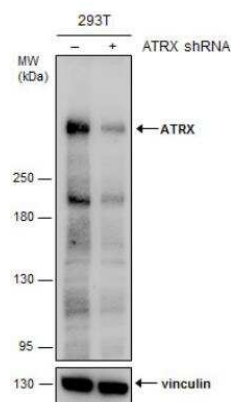
<b>Applications</b>	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation
<b>Recommended Dilutions</b>	Western Blot 1:500-1:3000, Immunohistochemistry 1:100-1:1000, Immunocytochemistry/ Immunofluorescence 1:100-1:1000, Immunoprecipitation 1:100-1:500, Immunohistochemistry-Paraffin 1:100-1:1000

**Images**

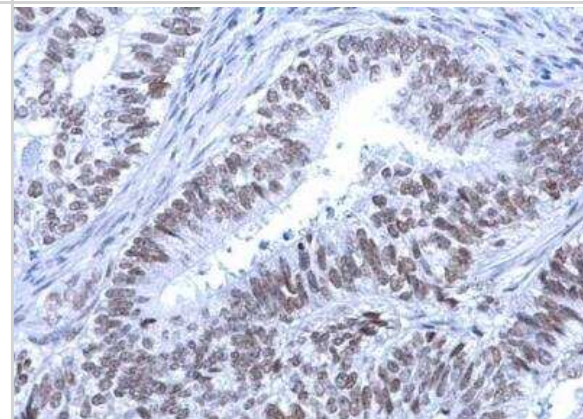
Immunohistochemistry-Paraffin: ATRX Antibody [NBP1-32851] - Human lung cancer. ATRX stained by ATRX antibody [C3], C-term diluted at 1:2500. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min.



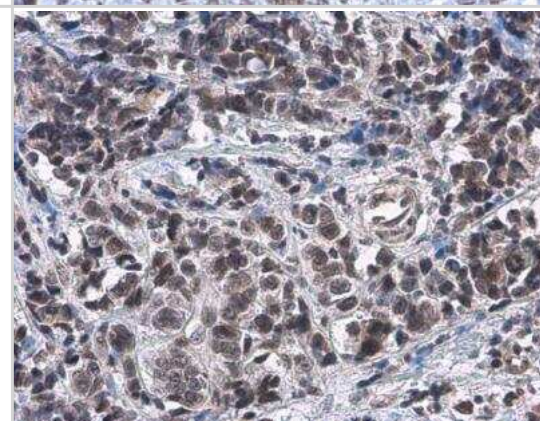
Western Blot: ATRX Antibody [NBP1-32851] - Non-transfected (-) and transfected (+) 293T whole cell extracts (30 ug) were separated by 5% SDS-PAGE, and the membrane was blotted with ATRX antibody [C3], C-term.



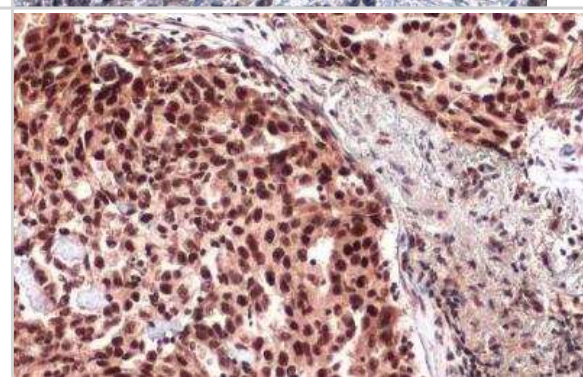
Immunohistochemistry-Paraffin: ATRX Antibody [NBP1-32851] - Human endometrial carcinoma. Rad54 antibody [C3], C-term dilution: 1:500.



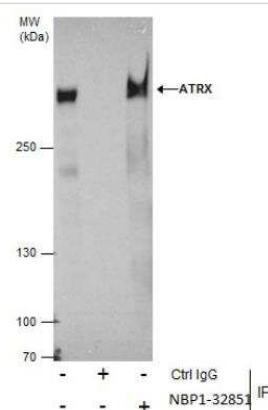
Immunohistochemistry-Paraffin: ATRX Antibody [NBP1-32851] - Human breast carcinoma. ATRX stained by ATRX antibody [C3], C-term diluted at 1:2000. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min.



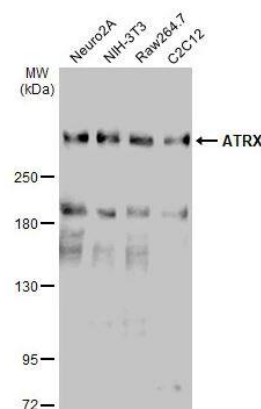
Immunohistochemistry-Paraffin: ATRX Antibody [NBP1-32851] - Human lung cancer. ATRX stained by ATRX antibody [C3], C-term diluted at 1:500. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min.



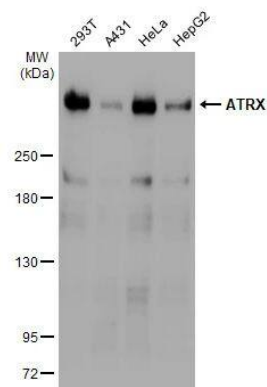
**Immunoprecipitation: ATRX Antibody [NBP1-32851] -**  
 Immunoprecipitation of ATRX protein from 293T whole cell extracts using 5 ug of ATRX antibody [C3], C-term (NBP1-32851). Western blot analysis was performed using ATRX antibody [C3], C-term (NBP1-32851). EasyBlot anti-Rabbit IgG was used as a secondary reagent.



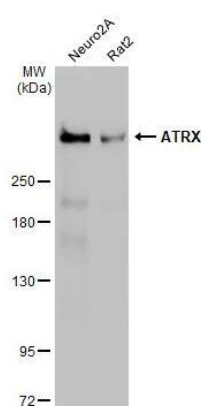
**Western Blot: ATRX Antibody [NBP1-32851] -** Various whole cell extracts (30 ug) were separated by 5% SDS-PAGE, and the membrane was blotted with ATRX antibody [C3], C-term diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody (NBP2-19301) was used to detect the primary antibody.



**Western Blot: ATRX Antibody [NBP1-32851] -** Various whole cell extracts (30 ug) were separated by 5% SDS-PAGE, and the membrane was blotted with ATRX antibody [C3], C-term diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody (NBP2-19301) was used to detect the primary antibody.

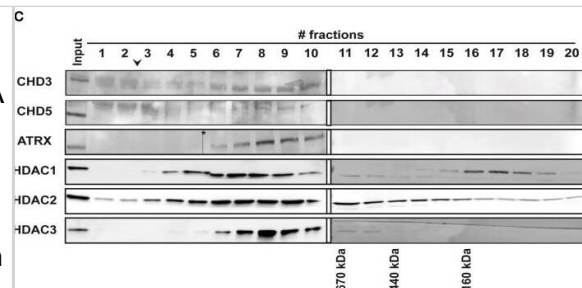


**Western Blot: ATRX Antibody [NBP1-32851] -** Various whole cell extracts (30 ug) were separated by 5% SDS-PAGE, and the membrane was blotted with ATRX antibody [C3], C-term diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody (NBP2-19301) was used to detect the primary antibody.

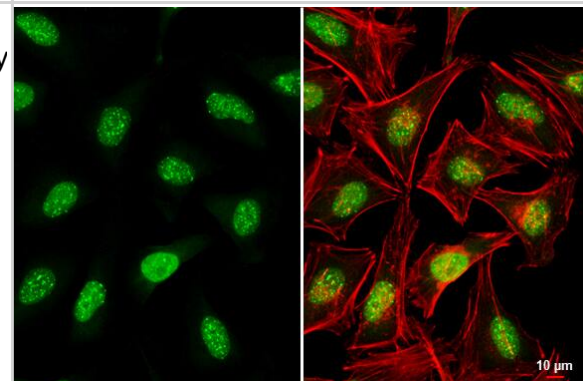




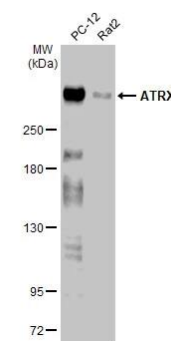
**Western Blot: ATRX Antibody [NBP1-32851] - mRNA expression & protein complex formation of various ChRFs in the brain & in embryonic stem cells (ESCs).** (A) Schematic of regions that were assessed for RNA levels of several ChRFs: Bs, brain stem; Ce, cerebellum; Mb, midbrain; Hth, hypothalamus; Hc, Th, S, hippocampus/thalamus/septum; Ctx, cortex; & Ob, olfactory bulb. (B) ChRFs fall into two large expression groups (I + II) in the brain. RT-qPCR results were expressed as  $\Delta CT$  values (reference gene: Gapdh) which were then centered at the median & subjected to hierarchical clustering. Red color indicates high expression (negative  $\Delta CT$  value) & green color indicates low expression (positive  $\Delta CT$  value). (C) Superose 6 size exclusion chromatography of ChRF peak fractions after anion exchange chromatography followed by immunoblot analysis of CHD3, CHD5, & ATRX as well as HDAC1, 2, & 3. The arrowhead indicates the void volume of the column, the asterisk marks a scanning artifact. Molecular masses of defined marker proteins are indicated at the bottom of their corresponding elution fractions. Image collected & cropped by CiteAb from the following publication (<http://journal.frontiersin.org/Article/10.3389/fnbeh.2015.00313/abstract>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



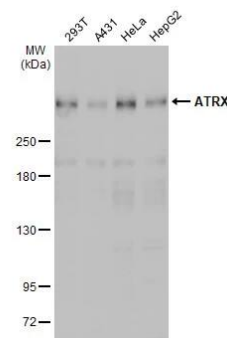
**Immunocytochemistry/ Immunofluorescence: ATRX Antibody [NBP1-32851] - ATRX antibody [C3], C-term detects ATRX protein at nucleus by immunofluorescent analysis.** Sample: HeLa cells were fixed in 4% paraformaldehyde at RT for 15 min. Green: ATRX stained by ATRX antibody [C3], C-term (NBP1-32851) diluted at 1:1000. Red: phalloidin, a cytoskeleton marker, diluted at 1:200. Scale bar= 10  $\mu$ m.



**Western Blot: ATRX Antibody [NBP1-32851] - Various whole cell extracts (30 ug) were separated by 5% SDS-PAGE, and the membrane was blotted with ATRX antibody [C3], C-term (NBP1-32851) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.**



**Western Blot: ATRX Antibody [NBP1-32851] - Various whole cell extracts (30 ug) were separated by 5% SDS-PAGE, and the membrane was blotted with ATRX antibody [C3], C-term (NBP1-32851) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.**



## Publications

Yu S, Wei S, Savani M et al. A Modified Nucleoside 6-Thio-2'-Deoxyguanosine Exhibits Antitumor Activity in Gliomas Clinical Cancer Research 2021-12-15 [PMID: 34593527] (Western Blot, Block/Neutralize)

Rebeillard F, De Gois S, Pietrancosta N et al. The Orphan GPCR Receptor, GPR88, Interacts with Nuclear Protein Partners in the Cerebral Cortex Cerebral cortex (New York, N.Y. : 1991) 2021-07-09 [PMID: 34247243]

Wille A, Amort T, Singewald N et al. Dysregulation of select ATP-dependent chromatin remodeling factors in high trait anxiety. Behav. Brain Res. 2016-05-18 [PMID: 27208790] (WB, Mouse)

Wille A, Maurer V, Piatti P et al. Impaired Contextual Fear Extinction Learning is Associated with Aberrant Regulation of CHD-Type Chromatin Remodeling Factors. Front Behav Neurosci 2015-01-01 [PMID: 26635563] (WB)





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General: novus@novusbio.com

### **Products Related to NBP1-32851**

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HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
H00000546-P01-10ug	Recombinant Human ATRX GST (N-Term) Protein

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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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