ATRX Antibody
Rabbit Polyclonal

Antigen Affinity Purified  Protein ID  NP_000480.2
Catalog No.  A301-045A  GeneID  546

APPLICATIONS  WB, IP, IHC

SPECIES REACTIVITY  Human

PRESUMED REACTIVITY  Based on 100% sequence identity, this antibody is predicted to react with Chimpanzee

AMOUNT  100 µl

CONCENTRATION  1000 µg/ml

STORAGE/SHELF LIFE  2 – 8° C / 1 year from date of receipt

PHYSICAL STATE  Liquid

BUFFER  Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide

ISOTYPE  IgG

ORIGIN  USA

PRODUCTION PROCEDURES  Antibody was affinity purified using an epitope specific to ATRX immobilized on solid support. The epitope recognized by A301-045A maps to a region between residue 2442 and the C-terminus (residue 2492) of human alpha thalassemia/mental retardation syndrome X-linked using the numbering given in entry NP_000480.2 (GeneID 546).

Immunoglobulin concentration was determined by extinction coefficient: absorbance at 280 nm of 1.4 equals 1.0 mg of IgG.

APPLICATIONS  Centrifuge tube to remove product from lid. Optimal working dilutions should be determined experimentally by the investigator. Prepare working dilution immediately before use.

Western Blot  1:1,000 – 1:5,000
Immunoprecipitation  2 – 10 µg/mg lysate
Immunohistochemistry  1:500 – 1:2,000. Epitope retrieval with citrate buffer pH 6.0 is recommended for FFPE tissue sections.

APPLICATION NOTES  Western blot of immunoprecipitates performed using Normal Pig Serum (Cat. No. S100–020), Goat anti-Rabbit Light Chain HRP Conjugate (Cat. No. A120–113P) and 4–8% SDS-PAGE (link to IP–western blot protocol in Additional Info section below).

Western blot of lysates performed using standard western blot reagents and 4–8% SDS–PAGE.

IHC HUMAN CONTROLS  Breast Carcinoma, Prostate Carcinoma, Skin Basal Cell Carcinoma

ADDITIONAL INFO  https://www.bethyl.com/product/A301-045A
Use the link above to view SDS, a current list of citations, and other product specific information.
IP–western blot protocol: https://www.bethyl.com/content/protocol_IP_WB

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Detection of human ATRX by western blot. **Samples:** Whole cell lysate (5, 15 and 50 µg) from HeLa cells prepared using NETN lysis buffer. **Antibody:** Affinity purified rabbit anti-ATRX antibody A301–045A (lot A301–045A–3) used for WB at 0.4 µg/ml. **Detection:** Chemiluminescence with an exposure time of 3 minutes.

Detection of human ATRX by Immunoprecipitation. **Samples:** Whole cell lysate (0.5 or 1.0 mg per IP reaction; 20% of IP loaded) from HeLa cells prepared using NETN lysis buffer. **Antibodies:** Affinity purified rabbit anti-ATRX antibody A301–045A (lot A301–045A–3) used for IP at 6 µg per reaction. ATRX was also immunoprecipitated by a previous lot of this antibody (lot A301–045A–2) and rabbit anti-ATRX antibody BL4515 for blotting immunoprecipitated ATRX, A301–045A was used at 1 µg/ml. **Detection:** Chemiluminescence with an exposure time of 3 minutes.

Detection of human ATRX by immunohistochemistry. **Sample:** FFPE section of human lung cancer. **Antibody:** Affinity purified rabbit anti-ATRX (Cat. No. A301–045A–3) used at a dilution of 1:1,000 (1 µg/ml). **Detection:** DAB