

Anti-ATRX [39f]

Catalogue number: 151888

Sub-type: Primary antibody

Images:

Contributor

Inventor: Helen Turley

Institute: University of Oxford

Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: Anti-ATRX [39f]

Alternate name: RAD54, XNP

CancerTools.org

Class: Monoclonal
Conjugate: Unconjugated
Description: Monoclonal antibody which binds N terminus of human ATRX.
Purpose:
Parental cell:
Organism:
Tissue:
Model:
Gender:
Isotype: IgG1
Reactivity: Human ; Mouse
Selectivity:
Host: Mouse
Immunogen: Recombinant Protein
Immunogen UNIPROT ID: P46100
Sequence:
Growth properties:
Production details:
Formulation:
Recommended controls:
Bacterial resistance:
Selectable markers:
Additional notes:

Target details

Target: ATRX

Target alternate names:

Target background: ATRX is a transcriptional regulator which is required for deposition of the histone variant H3.3 at telomeres and other genomic repeats. This is important to maintain silencing at these sites. ATRX mutations are associated with an X-linked mental retardation (XLMR) syndrome ATRX is commonly mutated in cancers which maintain their telomeres by a telomerase independent pathway. This generates alternative lengthening of telomeres. This antibody binds to an epitope between amino acid residues 85-319 in the N-terminal half of human ATRX.

Molecular weight:

Ic50:

Applications

Application: IHC ; IF ; WB

Application notes:

Handling

Format: Liquid

Concentration: 1 mg/ml

Passage number:

Growth medium:

Temperature:

Atmosphere:

Volume:

Storage medium:

Storage buffer: PBS with 0.02% azide

Storage conditions: Store at -20° C frozen. Avoid repeated freeze / thaw cycles

Shipping conditions: Shipping at 4° C

Related tools

Related tools: Anti-ATRX [23c]

References

References: Cooper et al. 2016. Nat Commun. 7:13661. PMID: 27892467. ; Jarid2 binds mono-ubiquitylated H2A lysine 119 to mediate crosstalk between Polycomb complexes PRC1 and PRC2. ; McDowell et al. 1999. Proc Natl Acad Sci U S A. 96(24):13983-8. PMID: 10570185. ; Localization of a putative transcriptional regulator (ATRX) at pericentromeric heterochromatin and the short arms of acrocentric chromosomes.