

## ATRX polyclonal antibody

Catalog: BS61027

Host: Rabbit

Reactivity: Human, Mouse, Rat

### BackGround:

ATRX is a member of the Snf2 family of helicase/ATPases, which contribute to the remodeling of the nucleosome structure in an ATP-dependent manner, and facilitate the initiation of transcription and replication. Structurally, ATRX contains a PHD zinc finger motif. ATRX is regulated throughout the cell cycle where it is differentially distributed within the nucleus. During interphase, ATRX predominately associates with the nuclear matrix, while during mitosis, ATRX localizes with condensed chromatin. At the onset of M phase, phosphorylation rapidly induces this redistribution of ATRX to the short arms of human acrocentric chromosomes, where it then specifically complexes with heterochromatin protein 1  $\alpha$  to mediate chromosomal segregation. Mutations in the ATRX gene correlate with a high incidence of severe X-linked form of syndromal mental retardation associated with  $\alpha$  thalassaemia or ATRX syndrome

### Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.3.

### Molecular Weight:

~ 280 kDa

### Swiss-Prot:

P46100

### Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific im-

munogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB: 1:500~1:1000

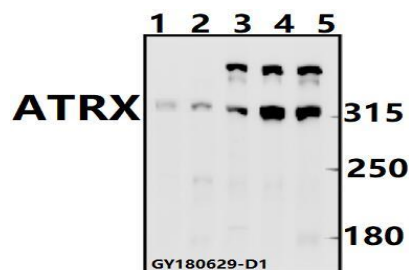
### Storage&Stability:

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

### Specificity:

ATRX pAb detects endogenous levels of ATRX protein.

### DATA:



Western blot (WB) analysis of ATRX pAb at 1:500 dilution

Lane1:3T3-L1 whole cell lysate(40ug)

Lane2:C6 whole cell lysate(40ug)

Lane3:SGC7901 whole cell lysate(40ug)

Lane4:MCF-7 whole cell lysate(40ug)

Lane5:EC9706 whole cell lysate(40ug)

### Note:

For research use only, not for use in diagnostic procedure.

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