

## CT47 polyclonal antibody

Catalog: BS61293

Host: Rabbit

Reactivity: Human, Mouse, Rat

### BackGround:

CT47 (cancer/testis antigen family 47) is a 288 amino acid protein that is strongly expressed in testis and lowly expressed in placenta and in brain. The gene encoding CT47 is located on human chromosome X, which consists of about 153 million base pairs and nearly 1,000 genes. The combination of an X and Y chromosome lead to normal male development while two copies of X lead to normal female development. There are a number of conditions related to an unusual number and combination of sex chromosomes being inherited. More than one copy of the X chromosome with a Y chromosome causes Klinefelter's syndrome. A single copy of X alone leads to Turner's syndrome. More than 2 copies of the X chromosome, in the absence of a Y chromosome, is known as Triple X syndrome. Color blindness, hemophilia, and Duchenne muscular dystrophy are well known X chromosome-linked conditions which affect males more frequently as males carry a single X chromosome.

### Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.4.

### Molecular Weight:

~ 30 kDa

### Swiss-Prot:

Q5JQC4

### Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB: 1:500~1:1000

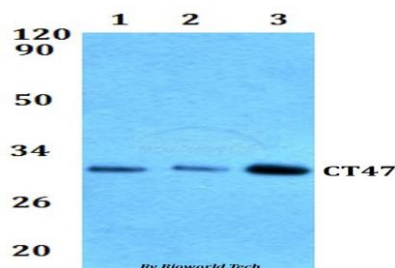
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -21 °C long term. Avoid freeze-thaw cycles.

### Specificity:

CT47 polyclonal antibody detects endogenous levels of CT47 protein.

### DATA:



Western blot (WB) analysis of CT47 polyclonal antibody at 1:500 dilution

Lane1:HEK293T whole cell lysate Lane2:RAW264.7 whole cell lysate Lane3:PC12 whole cell lysate

### Note:

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

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