

## OAZ3 polyclonal antibody

Catalog: BS60197

Host: Rabbit

Reactivity: Human, Mouse, Rat

### BackGround:

The antizyme family is a group of small proteins that play a role in cell growth and division by regulating the biosynthesis of polyamines such as putrescine, spermidine and spermine. AZ3, also known as OAZ3 (Ornithine decarboxylase antizyme 3), is a 187 amino acid protein that belongs to the ODC antizyme family. AZ3 probably plays a key role in spermatogenesis by regulating the intracellular concentration of polyamines in haploid germ cells because it binds to, and destabilizes, ornithine decarboxylase. However, mutations in the AZ3 gene are not a common cause of male infertility and the normal AZ3 protein does not accelerate ornithine decarboxylase degradation. AZ3 expression has a sharp onset in early spermatids, peaks in later stages and is gone in spermatozoa.

### Product:

1mg/ml in PBS with 0.1% Sodium Azide, 50% Glycerol.

### Molecular Weight:

~ 21 kDa

### Swiss-Prot:

Q9UMX2

### 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

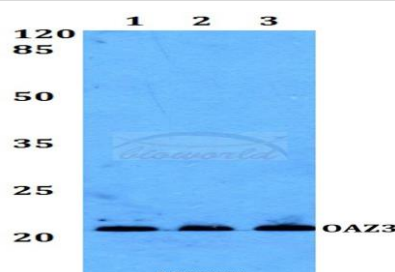
### Storage&Stability:

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

### Specificity:

OAZ3 polyclonal antibody detects endogenous levels of OAZ3 protein.

### DATA:



Western blot (WB) analysis of OAZ3 polyclonal antibody at 1:500 dilution

Lane1: Jurkat whole cell lysate

Lane2: Mouse testis tissue lysate

Lane3: Rat testis tissue lysate

### Note:

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

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