

## Parvalbumin $\alpha$ polyclonal antibody

Catalog: BS60382

Host: Rabbit

Reactivity: Human, Mouse, Rat

### BackGround:

Parvalbumin is a small, stable protein containing EF-hand type calcium binding sites. It is involved in calcium signaling. Typically, this protein is broken into three domains, domains AB, CD and EF, each individually containing a helix-loop-helix motif. The AB domain houses a two amino-acid deletion in the loop region, whereas domains CD and EF contain the N-terminal and C-terminal, respectively. Calcium binding proteins like parvalbumin play a role in many physiological processes, namely cell-cycle regulation, second messenger production, muscle contraction, organization of microtubules and vision. Parvalbumin expressing neurons have also been found to be in connection with various areas of clinical interest such as Alzheimer's disease, nervous system disorders, age-related cognitive defects and some forms of cancer.

### Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

### Molecular Weight:

~ 15 kDa

### Swiss-Prot:

P20472

### 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

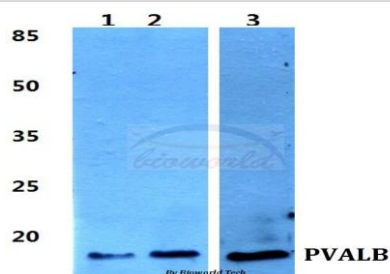
### Storage&Stability:

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

### Specificity:

Parvalbumin  $\alpha$  polyclonal antibody detects endogenous levels of Parvalbumin  $\alpha$  protein.

### DATA:



Western blot (WB) analysis of Parvalbumin  $\alpha$  polyclonal antibody at 1:500 dilution

Lane1:Hela cell lysate

Lane2:Mouse skeletal muscle tissue lysate

Lane3:Rat skeletal muscle tissue lysate

### Note:

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

### Bioworld Technology, Inc.

Add: 1660 South Highway 100, Suite 500 St. Louis Park, MN 55416, USA.

Email: [info@bioworld.com](mailto:info@bioworld.com)

Tel: 6123263284

Fax: 6122933841

### Bioworld technology, co. Ltd.

Add: No 9, weidi road Qixia District Nanjing, 210046, P. R. China.

Email: [info@biogot.com](mailto:info@biogot.com)

Tel: 0086-025-68037686

Fax: 0086-025-68035151