

Parvalbumin α 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:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.2.

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

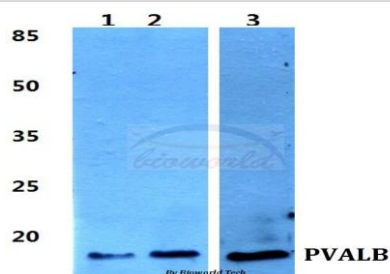
Storage&Stability:

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

Specificity:

Parvalbumin α polyclonal antibody detects endogenous levels of Parvalbumin α protein.

DATA:



Western blot (WB) analysis of Parvalbumin α 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.

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