# ARG63769
# anti-Parvalbumin antibody

Package: 100 µg
Store at: -20°C

## Summary

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|---|---|
| Product Description | Goat Polyclonal antibody recognizes Parvalbumin |
| Tested Reactivity | Hu, Rat |
| Tested Application | FACS, IHC-P, WB |
| Host | Goat |
| Clonality | Polyclonal |
| Isotype | IgG |
| Target Name | Parvalbumin |
| Species | Human |
| Immunogen | C-GVDEFSTLVAES |
| Conjugation | Un-conjugated |
| Alternate Names | PVALB; Parvalbumin; Parvalbumin Alpha; D22S749 |

## Application Instructions

Application table

| Application | Dilution |
|---|---|
| FACS | 10 µg/ml |
| IHC-P | 2.5 µg/ml |
| WB | 0.1 - 0.3 µg/ml |

Application Note

WB: Recommend incubate at RT for 1h.
IHC-P: Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0).
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

## Properties

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| Form | Liquid |
| Purification | Purified from goat serum by antigen affinity chromatography. |
| Buffer | Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA. |
| Preservative | 0.02% Sodium azide |
| Stabilizer | 0.5% BSA |
| Concentration | 0.5 mg/ml |
| Storage instruction | For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use. |

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| Note | For laboratory research only, not for drug, diagnostic or other use. |

## Bioinformation

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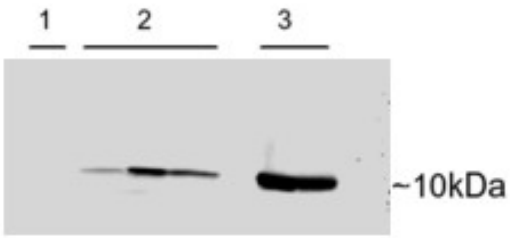
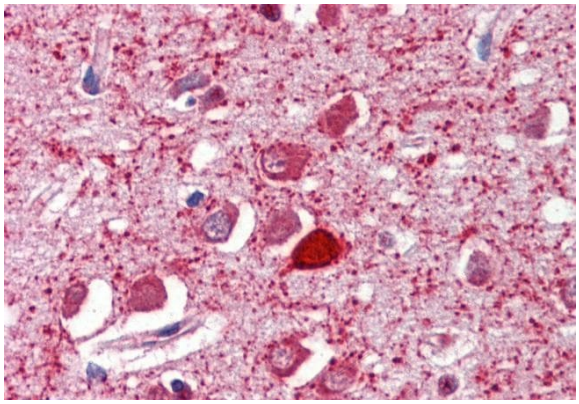
| Database links | GeneID: 25269 Rat<br>GeneID: 5816 Human<br>Swiss-port # P02625 Rat<br>Swiss-port # P20472 Human |
| Gene Symbol | PVALB |
| Gene Full Name | Parvalbumin |
| Background | The protein encoded by this gene is a high affinity calcium ion-binding protein that is structurally and functionally similar to calmodulin and troponin C. The encoded protein is thought to be involved in muscle relaxation. Alternative splicing results in multiple transcript variants. |
| Function | In muscle, parvalbumin is thought to be involved in relaxation after contraction. It binds two calcium ions. |
| Research Area | Neuroscience antibody |
| Calculated Mw | 12 kDa |
| PTM | Acetylation, Phosphoprotein |

## Images



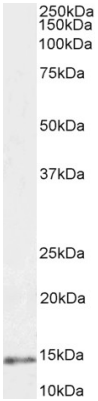

ARG63769 anti-Parvalbumin antibody WB image

Western Blot: adenovirus-mediated gene transfer in rat heart cells 1) Untransfected, 2) transient transfection with Human PVALB. 3) Untransfected rat skeletal muscle. stained with ARG63769 anti-Parvalbumin antibody at 0.15 µg/ml dilution.



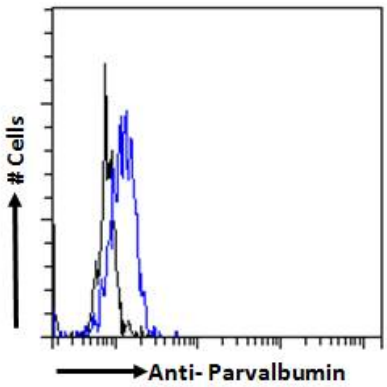
ARG63769 anti-Parvalbumin antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human cortex tissue. Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). The tissue section was stained with ARG63769 anti-Parvalbumin antibody at 2.5 µg/ml dilution followed by AP-staining.




ARG63769 anti-Parvalbumin antibody WB image

Western blot: 35 µg of Human cerebellum lysate (in RIPA buffer) stained with ARG63769 anti-Parvalbumin antibody at 0.3 µg/ml dilution and incubated at RT for 1 hour.




ARG63769 anti-Parvalbumin antibody FACS image

Flow Cytometry: Paraformaldehyde-fixed Kelly cells permeabilized with 0.5% Triton. Cells were stained with ARG63769 anti-Parvalbumin antibody (blue line) at 10 µg/ml dilution for 1 hour, followed by incubation with Alexa FluorR 488 labelled secondary antibody. IgG control: Unimmunized goat IgG (black line).