

Anti-Parvalbumin Antibody

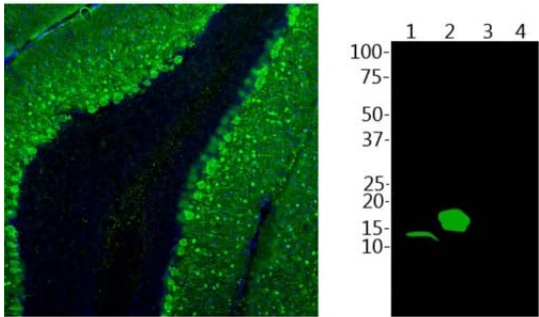


Product Details

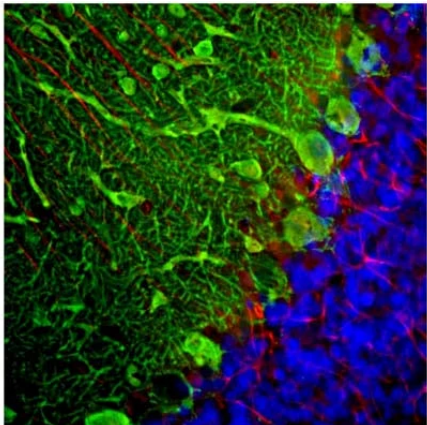
Available Variants	50 µL (SKU:C-1814-50)
Conjugate	Unconjugated
Isotype	IgY
Host Species	Chicken
Format	IgY preparation
Physical State	Lyophilized
Buffer	Lyophilized IgY preparation, with sodium azide.
Applications	IHC, WB
Dilution Ranges	WB: 1:1000-1:5000 IHC: 1:1000-1:5000
Species Reactivity	Human, Mouse, Rat
Immunogen	Full-length recombinant human protein
Specificity	Reacts with human, rat, mouse. Antibody is specific for parvalbumin and does not recognize closely related proteins calretinin and calbindin as determined by Western Blotting.
Storage	Spin vial briefly before opening. Reconstitute with 50 µL sterile-filtered, ultrapure water. Centrifuge to remove any insoluble material. Store lyophilized antibody at 2-8°C. After reconstitution divide into aliquots and store at -20°C for long-term storage. Store at 2-8°C short-term (up to 4 weeks) with an appropriate antibacterial agent. Avoid repetitive freeze/thaw cycles.
UniProt ID	<u>P20472</u>
Country of Origin	United States
Shipping	25°C (ambient)

Expiration	12 months after date of receipt (unopened vial).
Usage Statement	For research use only.

Product Images



Left: Staining of parvalbumin in adult rat cerebellum floating section by **Immunohistochemistry**. Chicken antibody to parvalbumin (1:2,500, green) stains dendrites and perikarya of Purkinje cells and some interneurons in the molecular layer. Blue: Nuclear DNA stain. Right: **Western blot** analysis of parvalbumin expression in mouse skeletal muscle homogenate (Lane 1). The antibody (1:2,500) detects parvalbumin at ~12 kDa in homogenate (Lane 1) and His-tagged parvalbumin protein (Lane 2) at slightly higher molecular weight. The antibody does not cross-react with His-tagged proteins calretinin (Lane 3) and calbindin (Lane 4). Note that this antibody does not recognize parvalbumin in rat or mouse brain lysates on western blots.



Rat cerebellum section stained with chicken anti-parvalbumin (green, 1:2,000) and mouse anti-GFAP (red) by **Immunohistochemistry**. Blue: DAPI nuclear stain. *IHC Method:* Following transcardial perfusion with 4% paraformaldehyde, brain was post fixed for 24 hours, cut to 45 um, and free floating sections were stained. The parvalbumin chicken antibody labels the perikarya and dendrites of Purkinje cells and interneurons in the molecular layer of the cerebellum. The GFAP antibody stains the processes of Bergmann glia and astrocytes.

Product Page URL: www.antibodiesinc.com/products/anti-parvalbumin-antibody-c-1814-50

