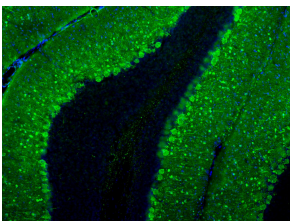


Anti-Parvalbumin Antibody (A85316)

Specifications:

Name:	Anti-Parvalbumin Antibody
Description:	Chicken polyclonal antibody to Parvalbumin.
Specificity:	This antibody is specific for Parvalbumin and does not cross-react with Calretinin or Calbindin.
Applications:	WB, ICC/IF, IHC
Recommended Dilutions:	WB: 1:1,000-1:5,000, ICC/IF: 1:1,000-1:5,000, IHC: 1:1,000-1:5,000
Reactivity:	Human, Rat, Mouse
Immunogen:	Recombinant full-length human Parvalbumin, expressed in and purified from E. coli.
Host:	Chicken
Clonality:	Polyclonal
Isotype:	IgY
Conjugate:	Unconjugated
Molecular Weight:	12 kDa
Purity:	IgY preparation.
Product Form:	Liquid
Formulation:	Supplied as an aliquot of IgY preparation with 5mM Sodium Azide.
Storage:	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Disclaimer:	This product is for research use only. It is not intended for diagnostic or therapeutic use.

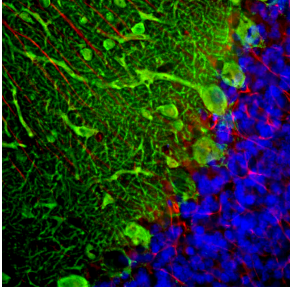
Images:



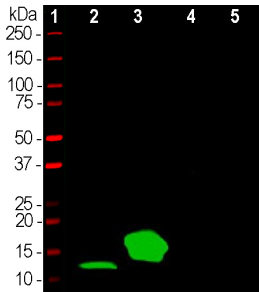
Adult rat cerebellum floating section was stained with Anti-Parvalbumin Antibody (1:2,500 | green). Parvalbumin is prominently expressed in the dendrites and perikarya of Purkinje cells and the molecular layer interneurons. Blue is a DNA stain.

Anti-Parvalbumin Antibody (A85316)

Images continued:



Immunofluorescent analysis of a rat cerebellum section stained with Anti-Parvalbumin Antibody (1:2,000 | green) and Anti-GFAP Antibody (A85422 | 1:500 | red). The blue is DAPI staining of nuclear DNA. Following transcardial perfusion of rat with 4% paraformaldehyde, brain was post fixed for 24 hours, cut to 45 μ M, and free floating sections were stained with above antibodies. The Anti-Parvalbumin Antibody labels the perikarya and dendrites of Purkinje cells and interneurons in the molecular layer of the cerebellum. The Anti-GFAP Antibody stains the processes of Bergmann glia and astrocytes.



Western blot analysis of skeletal muscle lysates and His-tagged recombinant human proteins using Anti-Parvalbumin Antibody (1:2,000 | green): [1] protein standard (red), [2] mouse muscle, [3] recombinant parvalbumin, [4] recombinant calretinin and [5] recombinant calbindin. Band at 12kDa in muscle lysate is native parvalbumin and 18kDa band in the next lane is His-tagged recombinant parvalbumin. The Anti-Parvalbumin Antibody binds parvalbumin strongly but is not cross-reactive with the closely related calcium binding proteins calretinin or calbindin.