ARG10686
anti-Parvalbumin antibody

Package: 50 µl
Store at: -20°C

Summary

Product Description	Chicken Polyclonal antibody recognizes Parvalbumin
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, IHC-Fr, WB
Host	Chicken
Clonality	Polyclonal
Isotype	IgY
Target Name	Parvalbumin
Species	Human
Immunogen	Full-length recombinant Human Parvalbumin.
Conjugation	Un-conjugated
Alternate Names	PVALB; Parvalbumin; Parvalbumin Alpha; D22S749

Application Instructions

Application table

Application	Dilution
ICC/IF	1:1000 - 1:5000
IHC-Fr	1:1000 - 1:5000
WB	1:1000 - 1:5000

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

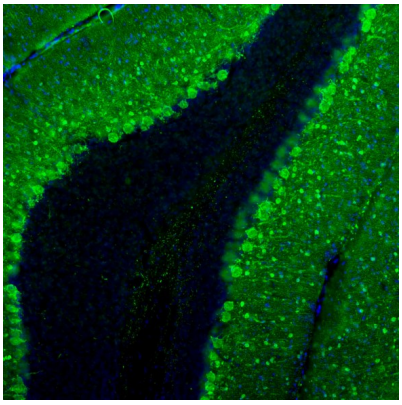
Form	Liquid
Buffer	PBS and 0.02% Sodium azide.
Preservative	0.02% Sodium azide
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol: PVALB

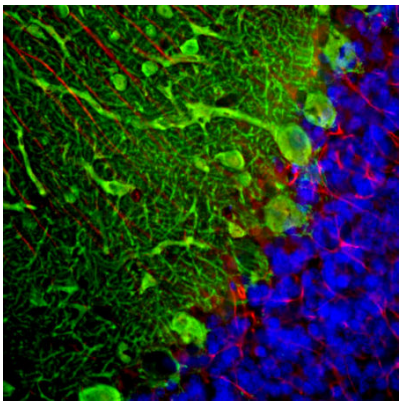
Gene Full Name	parvalbumin
Background	The protein encoded by this gene is a high affinity calcium ion-binding protein that is structurally and functionally similar to calmodulin and troponin C. The encoded protein is thought to be involved in muscle relaxation. Alternative splicing results in multiple transcript variants.
Function	In muscle, parvalbumin is thought to be involved in relaxation after contraction. It binds two calcium ions.
Calculated Mw	12 kDa
PTM	Acetylation, Phosphoprotein

Images



ARG10686 anti-Parvalbumin antibody ICC/IF image

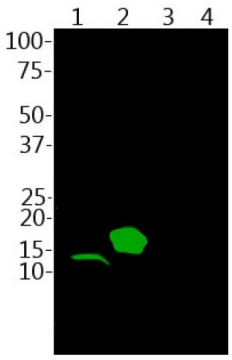
Immunocytochemistry: Adult Rat cerebellum floating section was stained with ARG10686 anti-Parvalbumin antibody at 1:2500 (green). Parvalbumin is prominently expressed in the dendrites and perikarya of Purkinje cells and the molecular layer interneurons. Blue is a DNA stain.



ARG10686 anti-Parvalbumin antibody IHC-Fr image

Immunohistochemistry: Frozen section of Rat cerebellum stained with ARG10686 anti-Parvalbumin antibody (green) at 1:2000 dilution and costained with Mouse mAb to GFAP (red) at 1:500 dilution. DAPI (blue) for nuclear staining. (Sample preparation: Following transcardial perfusion of Rat with 4% paraformaldehyde, brain was post fixed for 24 hours, cut to 45 µM, and free-floating sections were stained with the above antibodies.)

The Parvalbumin 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.



ARG10686 anti-Parvalbumin antibody WB image

Western blot: 1) Mouse skeletal muscle lysate, and His-tagged recombinant proteins: 2) parvalbumin, 3) calretinin, and 4) calbindin was stained with ARG10686 anti-Parvalbumin antibody at 1:2,500. In skeletal muscle lysates, this antibody recognizes a band at 12 kDa which represents parvalbumin and it reacts only with parvalbumin and not the other calcium-binding proteins. This antibody does not recognize parvabumin in Rat or mouse brain lysates on western blots.