

Parvalbumin Antibody | anti-PVALB antibody

Parvalbumin, affinity purified, chicken

CATALOG # AAA76568	REACTIVITY Human, Mouse, Rat	APPLICATIONS Western Blot, Immunohistochemistry, Immunofluorescence, Immunocytochemistry
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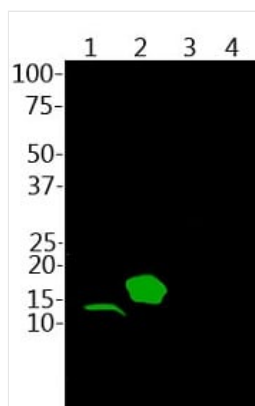
PRODUCT SYNONYMS

Parvalbumin; affinity purified; chicken; anti-PVALB antibody

PRODUCT SPECIFICATIONS

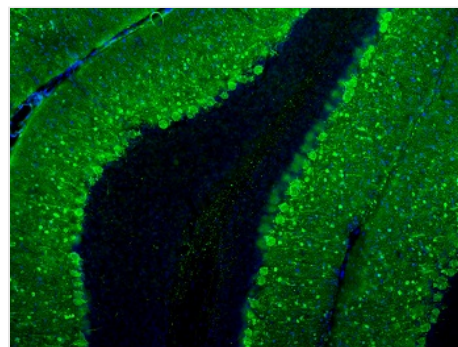
Reactivity	Human, Mouse, Rat
Purity/Purification	Affinity Purified
Form/Format	Liquid
Sequence Length	110
Applicable Applications for anti-PVALB antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), ICC (Immunocytochemistry)

IMAGES



Application Data

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



Application Data

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

ADDITIONAL INFORMATION

Related Product Information for anti-PVALB antibody

Parvalbumin is expressed in fast-contracting muscles, where its levels are highest, as well as in the brain and some endocrine tissues. In brain, it is particularly concentrated in Purkinje cells and interneurons in the molecular layer, but is also found in many GABAergic interneurons in the cortex. These GABAergic interneurons in most cases express only one of three Ca^{2+} binding proteins, namely parvalbumin, calretinin, or calbindin. As a result, these important inhibitory interneurons can be identified and subclassified based on their content of these three proteins and antibodies to these three proteins are useful for identifying specific neuronal cell types. Each type of neuron as defined in this fashion has particular electrophysiological and functional properties. For example, calbindin positive interneurons are not fast-spiking as are parvalbumin expressing interneurons.

NCBI AND UNIPROT INFORMATION

NCBI GI #	35290
UniProt Accession #	P20472; P78378; Q4VB78; Q5R3Q9; B2R4H7
Molecular Weight	12,059 Da
NCBI Official Full Name	parvalbumin
UniProt Protein Name	Parvalbumin alpha
UniProt Gene Name	PVALB

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/human-mouse-rat-antibody/parvalbumin/76568>