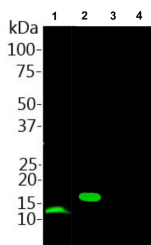
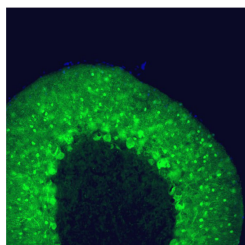


Mouse antibody to human parvalbumin [3C9]: affinity purified

Catalogue No.:	M-1813-100
Description:	In muscle, parvalbumin is thought to be involved in relaxation after contraction. It binds two calcium ions. Ref: uniprot.org
Batch No.:	See product label.
Unit size:	100 ug
Antigen:	Full-length recombinant human protein
Isotype:	IgG1
Clone:	3C9
Accession:	P20472 (PRVA_HUMAN)
Produced in:	Mouse
Purity:	Affinity purified
Applications:	Western blotting (1:1,000-1:5,000) and Immunohistochemistry (1:1,000-1:5,000). Note that this antibody does not recognize parvalbumin in rat or mouse brain homogenates on western blots. Biosensis recommends optimal dilutions/concentrations should be determined by the end user.
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.
Form:	Lyophilised from a solution containing PBS buffer pH 7.2-7.6 with 5 mM sodium azide as preservative.
Reconstitution:	Spin vial briefly before opening. Reconstitute in 100 uL sterile water. Centrifuge to remove any insoluble material. Final buffer contains preservatives.
Storage:	Store lyophilised antibody at 2-8C. After reconstitution divide into aliquots and store at -20C for long-term storage. Store at 2-8C short-term (up to 4 weeks). Avoid repetitive freeze/thaw cycles.
Expiry Date:	12 months after purchase if unopened.



Left: Staining of parvalbumin in adult rat cerebellum floating section by Immunohistochemistry. Mouse antibody to parvalbumin (1:1,000, 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 rat skeletal muscle homogenate (Lane 1). The antibody (1:1,000) 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.

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