BOSTER
antibody and ELISA experts

BOSTER BIOLOGICAL TECHNOLOGY
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Anti-Parvalbumin Monoclonal Antibody

Catalog Number: M04041-1

Overview

Product Name	Anti-Parvalbumin Monoclonal Antibody
Reactive Species	Bovine, Equine, Human, Mouse, Pig, Rat
Description	Boster Bio Anti-Parvalbumin Monoclonal Antibody catalog # M04041-1. Tested in IF, IHC, ICC, WB applications. This antibody reacts with Bovine, Equine, Human, Mouse, Pig, Rat.
Application	IF, IHC, ICC, WB
Clonality	Monoclonal
Formulation	Purified antibody at 1mg/mL in 50% PBS, 50% glycerol plus 5mM NaN_3
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Mouse
Uniprot ID	P20472

Technical Details

Immunogen	Full-length recombinant human protein
Concentration	0.5-1mg/ml, actual concentration vary by lot. Use suggested dilution ratio to decide dilution procedure.
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit. If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples. Some PubMed article(s) citing the expression level of this target are as follows: Boster Bio's internal QC testing used: WB: 1:1,000-1:5,000 ICC/IF or IHC: 1:1,000-1:5,000

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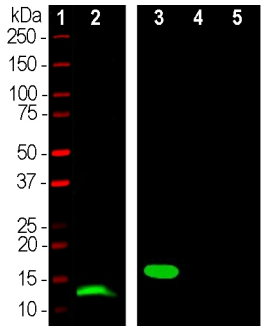
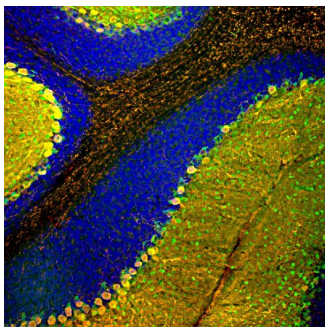
Anti-Parvalbumin Monoclonal Antibody (M04041-1) Images



Western blot analysis of skeletal muscle lysates and His-tagged human recombinant proteins using mouse mAb to parvalbumin, M04041-1, dilution 1:1,000 in green: [1] protein standard (red), [2] mouse muscle, [3] parvalbumin, [4] calretinin, and [5] calbindin. A band at 12kDa is detected in in muscle lysate and one at 18kDa in the His-tagged recombinant parvalbumin protein lane as expected since the His-tag and other vector derived sequence adds about 6kDa to the molecule. Note that the M04041-1 antibody is not cross-reactive with either calbindin or calretinin despite their related amino acid sequences.



Immunofluorescent analysis of rat cerebellum section stained with mouse mAb to parvalbumin, M04041-1, dilution 1:1,000, in green, and costained with chicken pAb to calbindin, dilution 1:2,000 in 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 M, and free-floating sections were stained with above antibodies. Most Purkinje cells strongly express both parvalbumin and calbindin and so appear yellow, whereas basket, stellate and Golgi cells express parvalbumin alone and so appear are green.