BOSTER
antibody and ELISA experts

BOSTER BIOLOGICAL TECHNOLOGY
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Anti-Calretinin Monoclonal Antibody

Catalog Number: M04255-1

Overview

Product Name	Anti-Calretinin Monoclonal Antibody
Reactive Species	Bovine, Equine, Human, Mouse, Pig, Rat
Description	Boster Bio Anti-Calretinin Monoclonal Antibody catalog # M04255-1. Tested in IF, IHC, WB applications. This antibody reacts with Bovine, Equine, Human, Mouse, Pig, Rat.
Application	IF, IHC, WB
Clonality	Monoclonal
Formulation	Antibody is supplied as an aliquot of 1 mg/mL of purified antibody diluted at 50% glycerol/PBS.
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	P22676

Technical Details

Immunogen	Full-length recombinant human protein expressed in E. coli
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: 1:2,000-5,000. IF/ICC or IHC: 1:2,000-5,000

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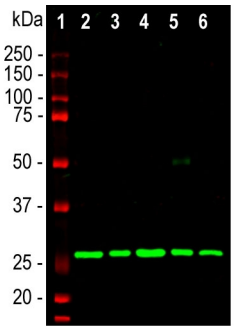
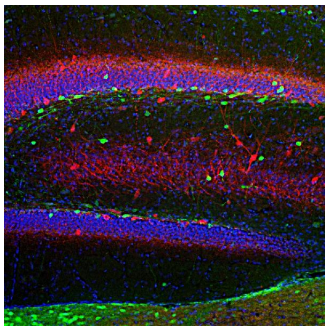
Anti-Calretinin Monoclonal Antibody (M04255-1) Images



Western blot analysis of tissue lysates probed with mouse mAb to calretinin, M04255-1, dilution 1:2,000, in red: [1] protein standard (red), [2] rat brain, [3] rat spinal cord, [4] mouse brain, [5] mouse spinal cord, and [6] cow spinal cord. The single clean band at 29kDa corresponds to the calretinin protein.



Immunofluorescent analysis of a section of rat hippocampus section stained with mouse mAb to calretinin, M04255-1, dilution 1:2,000 in green and costained with chicken pAb to parvalbumin, dilution 1:1,000, 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 45M, and free-floating sections were stained with above antibodies. The calretinin and parvalbumin antibodies stain different subsets of GABAergic interneurons.