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34-1021: Polyclonal Antibody to Calretinin

Clonality :	Polyclonal
Application :	ICC/IF,IHC,WB
Reactivity :	Human, Rat, Mouse, Cow, Pig, Horse
Gene :	CALB2
Gene ID :	794
Uniprot ID :	P22676
Format :	Conc. IgY prep.
Alternative Name :	29 kDa calbindin
Isotype :	Chicken, IgY
Immunogen Information :	Full-length recombinant human protein

Product Info

Amount :	50 µl / 100 µl
Content :	Antibody is supplied as purified using IgY column.
Storage condition :	Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid repeated freeze and thaw cycles.

Application Note

Western blots: 1:1,000-1:5,000. ICC/IF or IHC: 1:1,000-1:5,000.

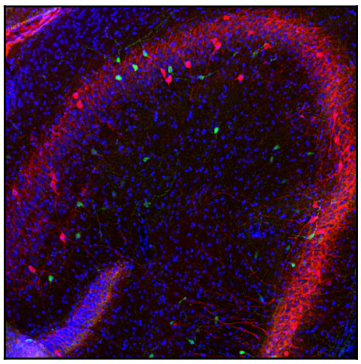

Figure-1: Immunofluorescent analysis of rat hippocampus section stained with chicken pAb to calretinin, 34-1021, dilution 1:1,000 in green, and costained with mouse mAb to parvalbumin, 1:1,000 in red. Following transcardial perfusion of rat with 4% paraformaldehyde, brain was post fixed for 24 hours, cut to 45Î¼M, and free-floating sections were stained with the above antibodies. The calretinin and parvalbumin antibodies label different classes of interneurons.

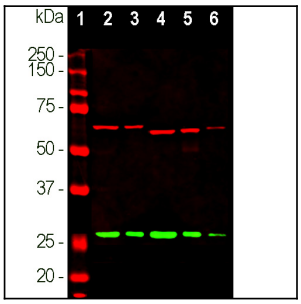

Figure-2: Western blot analysis of different tissue lysates using chicken pAb to calretinin, dilution 1:1,000 in green: [1] protein standard (red), [2] rat brain, [3] rat spinal cord, [4] mouse brain, [5] mouse spinal cord, and [6] cow spinal cord. A band at 29kDa corresponds to calretinin protein. The same blot was simultaneously probed with mouse mAb to Î±-nternexin, (34-1053), dilution 1:10,000 in red that reveals the Î±-internexin protein with apparent molecular weight of 66kDa.