Polyclonal Anti-Calretinin (Sepharose Bead Conjugate)

Catalogue No. PA1015-S

Lot No. 03A01

Ig type: rabbit

IgG **Size:** 100μg/vial

Specificity

Human, mouse, rat. No cross reactivity with other proteins.

Recommended application

Immunoprecipitation(IP)

Immunogen

A synthetic peptide corresponding to a sequence at the N-terminal of human calretinin, identical to the related rat sequence.

Puritlcation

Immunogen affinity purified.

Storage At -20℃ for one year. After reconstitution, at 4℃ for one month. It can also be aliquotted and stored frozen at -20℃ for longer time.

BACKGROUND

Calbindin is a calcium-binding protein belonging to the troponin C superfamily. Calretinin is expressed in central and peripheral nervous system and in many normal and pathological tissues. The rat and human calretinin exhibit 98% sequence homology and 91% homology to many other species. Two calcium binding proteins, calbindin and calretinin, have been reported to be expressed in abundance in Purkinje cells and other cell types in the cerebellum.

REFERENCE

1. Parmentier M.; "The human calbindins: cDNA and gene cloning.";Adv. Exp. Med. Biol. 255:233-240(1989). 2. Strauss K.I., Kuznicki J., Winsky L., Kawagoe J.I., Hammer M., Jacobowitz D.M.;"The mouse calretinin gene promoter region: structural and functional components.";Brain Res. Mol. Brain Res. 49:175-187(1997).

3. Gabrielides C., McCormack A.L., Hunt D.F., Christakos S.;"Brain calbindin-D28k and an Mr 29,000 calcium binding protein in cerebellum are different but related proteins: evidence obtained from sequence analysis by tandem mass spectrometry.";Biochemistry 30:656-662(1991).

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