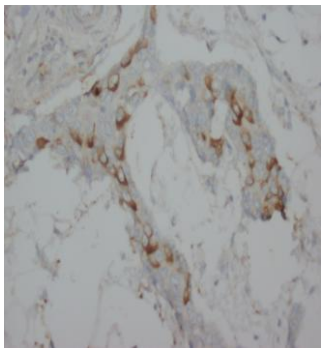
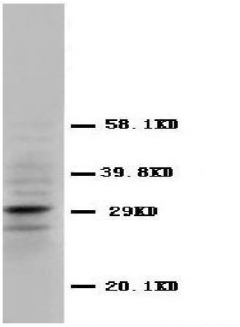
Product Information Sheet

Polyclonal Anti-Calretinin





Catalogue No. PA1015

Lot No. 03A01

Ig type: rabbit IgG

Size: 100µg/vial

Specificity

Human, mouse, rat.

No cross reactivity with other proteins.

Recommended application

Western blot

Immunohistochemistry(P)

To reorder contact us at:

Antagene, Inc.

Toll Free: 1(866)964-2589

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Immunogen

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

Purity

Immunogen affinity purified.

Application

Western blot

At 1-2µg/ml with the appropriate system to detect calretinin in cells and tissues.

Immunohistochemistry(P)

At 1-2µg/ml to detect calretinin in formalin fixed and paraffin embedded tissues. Boiling the sections is required.

Other applications have not been tested.

Optimal dilutions should be determined by end user.

Contents

Each vial contains 50% glycerol, 0.9mg NaCl, 0.2mg Na_2HPO_4.

Reconstitution

1.2% sodium acetate or neutral PBS. If 0.5ml of PBS is used, the antibody concentration will be 100µg/ml.

Storage

At -20˚C for one year. After reconstitution, at 4˚C for one month. It can also be aliquotted and stored frozen at -20˚C 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).