



Product Information Sheet

Polyclonal Anti- Annexin A2 (*Magnetic Bead Conjugate*)

Catalogue No. PA1348-M

Lot No. 01310120248124

Ig type rabbit IgG

Size 100µg/vial

Specificity

Human, rat, mouse

No cross reactivity with other proteins.

Recommended application

ImmunoPrecipitation (IP)

Immunogen

A synthetic peptide corresponding to a sequence at the middle region of human Annexin A2 (121-141 aa), different from the mouse sequence by one amino acid.

Purity

Immunogen affinity purified.

Contents

Each vial contains 1mg/ml Magnetic Bead in PBS, pH 7.2, 0.05mg NaN₃.

Storage

Store at 4 °C for frequent use.

Description

This Antagene antibody is immobilized by the covalent reaction of hydrazinonicotinamide-modified antibody with formylbenzamide-modified magnetic beads. It is useful for immunoprecipitation.

.

.

BACKGROUND

Annexin A2 also known as annexin II is a protein that in humans is encoded by the *ANXA2* gene. The *ANXA2* gene has three pseudogenes located on chromosomes 4, 9 and 10, respectively. Multiple alternatively spliced transcript variants encoding different isoforms have been found for this gene. This protein is a member of the annexin family. Members of this calcium-dependent phospholipid-binding protein family play a role in the regulation of cellular growth and in signal transduction pathways. This protein functions as an autocrine factor which heightens osteoclast formation and bone resorption. Richard et al. (1994) presented an integration of the physical, expression, and genetic maps of human chromosome 15. They placed the *ANXA2* gene in their region IV, i.e., 15q21-q22, thus confirming the previous localization.

REFERENCE

1. Takahashi S, Reddy SV, Chirgwin JM, Devlin R, Haipek C, Anderson J, Roodman GD (November 1994). "Cloning and identification of annexin II as an autocrine/paracrine factor that increases osteoclast formation and bone resorption". *J. Biol. Chem.*
2. "Entrez Gene: *ANXA2* annexin A2".

For Research Use Only not for diagnostic and clinical use

Contact: Antagene, Inc. | Tel: 1 (866) 964-2589 | Fax: 1 (888) 225-1868 | Email: Info@antageneinc.com