Polyclonal Anti- Annexin A2

Catalogue No. PA1348

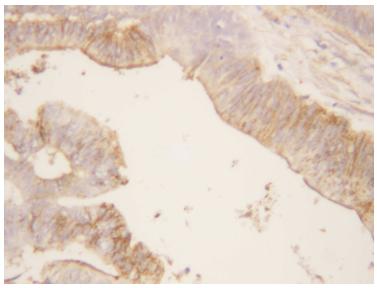
Lot No. 01310120248124

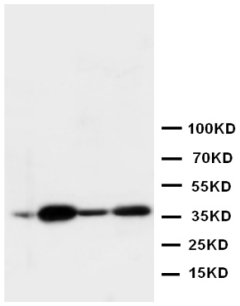
Ig type rabbit IgG

Size 100µg/vial

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

Recommended application
Western blot
Immunohistochemistry(P)
Immunohistochemistry(F)





Lane 1 : Rat brain tissue Lysate
Lane 2 : Rat lung tissue Lysate
Lane 3 : Rat Testicular tissue Lysate
Lane 4 : Rat skeletal muscle tissue Lysate

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.

Application

	Concen-tration	Tested Species	Concluded Species	Antigen Retrieval
WB	1µg/ml	Hu,Rat,Ms	-	-
IHC-P	1µg/ml	Hu,Rat,Ms	-	By Heat
IHC-F	1µg/ml	Hu,Rat,Ms	-	-
ICC	-	-	-	-

Other applications have not been tested.
Optimal dilutions should be determined by end user.

Contents
Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na_2HPO_4, 0.05mg Thimerosal, 0.05mg NaN_3.

Reconstitution
0.2ml of distilled water will yield a concentration of 500µg/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.

To reorder contact us at:
Antagene, Inc.
Toll Free: 1(866)964-2589
email: Info@antageneinc.com

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".