

Annexin A1 Monoclonal Antibody

ORDERING INFORMATION

Catalog No.: 90002 (clone A1A7)
Format: 100ug, Protein A-purified, lyophilized, 0.1M Tris, 0.1M glycine, 2% sucrose.

BACKGROUND

Annexin 1 belongs to a family of Ca(2+)-dependent phospholipid binding proteins which have molecular weights of approximately 35-40kDa and are localized on the cytosolic face of the plasma membrane. Annexin 1, an endogenous anti-inflammatory protein, has roles in many diverse cellular functions, such as membrane aggregation, inflammation, phagocytosis, proliferation, and apoptosis. Annexin 1 also possesses phosphorylation sites for important proliferative signaling molecules *e.g.*, EGF receptor tyrosine kinase and PKC. This suggests that Annexin 1 may have a role in certain signaling pathways important in cancer. However, the exact mechanisms through which Annexin 1 exerts some or all of its effects are still not clearly understood, and may reveal important functions of Annexin 1 in tumorigenesis and cancer development.

SPECIFICATION SUMMARY

Antigen: Annexin 1 isolated from human neutrophils.
Host species: Mouse.
Antibody Class: IgG2b.
Preservative: None.

SPECIFICITY

This antibody recognizes human and bovine Annexin 1.

APPLICATIONS

Immunoblotting: use at 1-10ug/ml. A band of ~39kDa is detected.

Immunohistochemistry: use at 2-20ug/ml.

Immunoprecipitation: use at 1-2ug per 100-500ug of total protein.

These are recommended concentrations. Enduser should determine optimal concentrations for their applications.

RECONSTITUTION

Reconstitute in distilled water.

STORAGE AND STABILITY

This product is stable for at least one (1) year at -20°C to -70°C. Reconstituted product should be stored in appropriate aliquots to avoid repeated freeze-thaw cycles.

For in vitro investigational use only. Not for use in therapeutic or diagnostic procedures.