

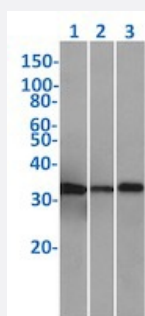
RecomAb™

# ANXA4 recombinant monoclonal antibody, clone SAIC-14C-10F12

Catalog # RAB03665

Size 200 ug

## Applications



### Western Blot

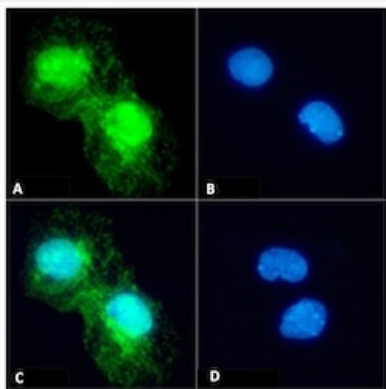
Western blot analysis of Lane 1: HepG2, Lane 2: A431 and Lane 3: HeLa lysates with ANXA4 recombinant monoclonal antibody, clone SAIC-14C-10F12 (Cat # RAB03065).

### Immunofluorescence

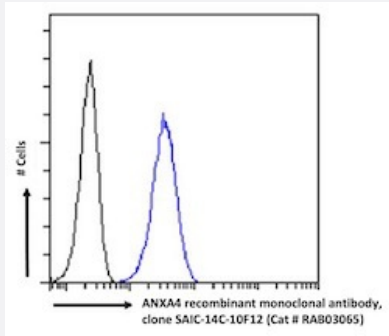
Immunofluorescent staining of HepG2 cells with ANXA4 recombinant monoclonal antibody, clone SAIC-14C-10F12 (Cat # RAB03065).

Immunofluorescence analysis of paraformaldehyde fixed HepG2 cells permeabilized with 0.15% Triton stained with the chimeric r version of RAB03065 (1:100 dilution) for 1h followed by Alexa Fluor® 488 secondary antibody (1:1000 dilution)- showing nuclear and cytoplasmic staining. The nuclear stain is DAPI (blue). The isotype control was an unknown specificity antibody followed by staining with Alexa Fluor® 488 secondary antibody.

- (A) RAB03065
- (B) DAPI
- (C) Merged channels
- (D) Isotype control



## Flow Cytometry



Flow cytometric analysis of HepG2 cells with ANXA4 recombinant monoclonal antibody, clone SAIC-14C-10F12 (Cat # RAB03065).

Paraformaldehyde fixed HepG2 cells permeabilized with 0.5% Triton were stained with anti-unknown specificity antibody (3.0; isotype control- black line) or the r version of RAB03065 (blue line) at a dilution of 1:100 for 1h at RT. After washing- the bound antibody was detected using a goat anti-r AlexaFluor® 488 antibody at a dilution of 1:1000 and cells analyzed using a FACSCanto flow-cytometer.

## Specification

<b>Product Description</b>	Rabbit recombinant monoclonal antibody raised against human ANXA1.
<b>Antibody Species</b>	Rabbit
<b>Immunogen</b>	Original antibody is raised against a synthetic peptide "DEGNYLDDALVR" corresponding to human ANXA4.
<b>Reactivity</b>	Human
<b>Form</b>	Liquid
<b>Conjugation</b>	Unconjugated
<b>Concentration</b>	batch dependent
<b>Isotype</b>	IgG kappa
<b>Recommend Usage</b>	ELISA Flow Cytometry Immunofluorescence Immuno-MRM (multiple reaction monitoring) Western Blot The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In PBS with 0.02% Proclin 300
<b>Storage Instruction</b>	Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C. Aliquot to avoid repeated freezing and thawing.

## Applications

- Western Blot

Western blot analysis of Lane 1: HepG2, Lane 2: A431 and Lane 3: HeLa lysates with ANXA4 recombinant monoclonal antibody, clone SAIC-14C-10F12 (Cat # RAB03065).

- Immunofluorescence

Immunofluorescent staining of HepG2 cells with ANXA4 recombinant monoclonal antibody, clone SAIC-14C-10F12 (Cat # RAB03065).

Immunofluorescence analysis of paraformaldehyde fixed HepG2 cells permeabilized with 0.15% Triton stained with the chimeric r version of RAB03065 (1:100 dilution) for 1h followed by Alexa Fluor® 488 secondary antibody (1:1000 dilution)- showing nuclear and cytoplasmic staining. The nuclear stain is DAPI (blue). The isotype control was an unknown specificity antibody followed by staining with Alexa Fluor® 488 secondary antibody.

(A) RAB03065

(B) DAPI

(C) Merged channels

(D) Isotype control

- Enzyme-linked Immunoabsorbent Assay

- Flow Cytometry

Flow cytometric analysis of HepG2 cells with ANXA4 recombinant monoclonal antibody, clone SAIC-14C-10F12 (Cat # RAB03065).

Paraformaldehyde fixed HepG2 cells permeabilized with 0.5% Triton were stained with anti-unknown specificity antibody (3.0; isotype control- black line) or the r version of RAB03065 (blue line) at a dilution of 1:100 for 1h at RT. After washing- the bound antibody was detected using a goat anti-r AlexaFluor® 488 antibody at a dilution of 1:1000 and cells analyzed using a FACSCanto flow-cytometer.

- Immuno-MRM (multiple reaction monitoring)

## Gene Info — ANXA4

Entrez GeneID

[307](#)

Gene Name

ANXA4

Gene Alias

ANX4, DKFZp686H02120, MGC75105, PIG28, ZAP36

Gene Description

annexin A4

Omim ID

[106491](#)

Gene Ontology

[Hyperlink](#)

**Gene Summary**

Annexin IV (ANX4) belongs to the annexin family of calcium-dependent phospholipid binding proteins. Although their functions are still not clearly defined, several members of the annexin family have been implicated in membrane-related events along exocytotic and endocytotic pathways. ANX4 has 45 to 59% identity with other members of its family and shares a similar size and exon-intron organization. Isolated from human placenta, ANX4 encodes a protein that has possible interactions with ATP, and has in vitro anticoagulant activity and also inhibits phospholipase A2 activity. ANX4 is almost exclusively expressed in epithelial cells. [provided by RefSeq]

**Other Designations**

annexin IV|annexin IV (placental anticoagulant protein II)|placental anticoagulant protein II|proliferation-inducing gene 28|proliferation-inducing protein 28

**Disease**

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Tobacco Use Disorder](#)