

# Annexin A1 Polyclonal Antibody

Product Details	
Size	100 µL
Species Reactivity	Human, Mouse, Rat
Published Species	Rat, Mouse, Human
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Full-length human recombinant Annexin I protein purified from yeast.
Form	Liquid
Concentration	Conc. Not Determined
Storage buffer	whole serum
Contains	0.1% sodium azide
Storage Conditions	-20°C
RRID	AB_2533983

Applications	Tested Dilution	Publications
ELISA (ELISA)	1:500-1:50,000	1 Publication
Immunocytochemistry (ICC)	1 µg/mL	3 Publications
Immunofluorescence (IF)	1 µg/mL	2 Publications
Immunohistochemistry (IHC)	1:50-1:100	4 Publications
Immunohistochemistry (Paraffin) (IHC (P))	1:20-1:200	1 Publication
Western Blot (WB)	1:100-1:1000	12 Publications
Flow Cytometry (Flow)	-	2 Publications
Immunoprecipitation (IP)	-	1 Publication
Miscellaneous PubMed (Misc)	-	1 Publication

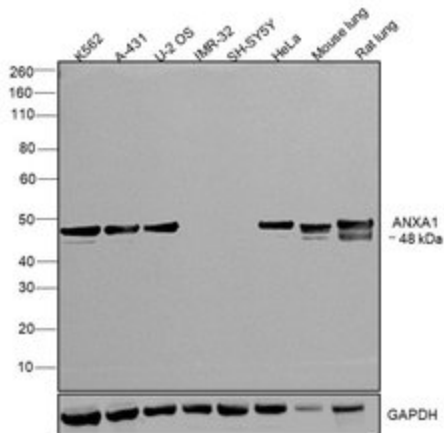
## Product Specific Information

This antibody is specific for the Annexin I protein and does not cross-react with other Annexins. Reactivity with Annexin I was confirmed by western blotting using total lysates derived from human fibroblasts. Positive control lysates used: human fibroblasts, mouse kidney, mouse lung, adult rat and mouse brain.

## Advanced Verification Data

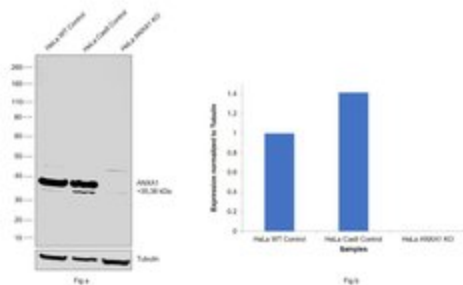
### Annexin A1 Antibody (71-3400)

Antibody specificity was demonstrated by detection of differential basal expression of the target across cell lines and tissues tested owing to their inherent genetic constitution. Relative expression of Annexin A1 was observed high in all cell lines and tissues except IMR-32 and SH-5Y5Y which have no expression of ANXA1 using Anti-Annexin A1 Polyclonal Antibody (Product # 71-3400) in Western Blot. Relative expression validation info.



### Annexin A1 Antibody (71-3400)

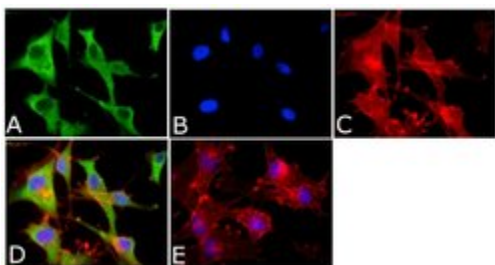
Antibody specificity was demonstrated by CRISPR-Cas9 mediated knockout of target protein. A loss of signal was observed for target protein in ANXA1 KO cell line compared to control cell line using Anti-Annexin A1 Polyclonal Antibody (Product # 71-3400). Knockout validation info.



## Product Images For Annexin A1 Polyclonal Antibody

### Annexin A1 Antibody (71-3400) in IF

Immunofluorescent analysis of Annexin-1 Antibody was done on 70% confluent log phase U87-MG cells. The cells were fixed with 4% paraformaldehyde for 15 minutes, permeabilized with 0.25% Triton™ X-100 for 10 minutes, and blocked with 5% BSA for 1 hour at room temperature. The cells were labeled with Annexin-1 Antibody (Product # 71-3400) at 1:1000 dilution in 1% BSA and incubated for 3 hours at room temperature and then labeled with Alexa Fluor 488 Goat Anti-Rabbit IgG Secondary Antibody (Product # A-11008) at a dilution of 1:400 for 45 minutes at room temperature (Panel a: green). Nuclei (Panel b: blue) were stained with SlowFade® Gold Antifade Mountant with DAPI (Product # S36938). F-actin (Panel c: red) was stained with Alexa Fluor 594 Phalloidin (Product # A12381). Panel d is a merged image showing cytoplasmic localization. Panel e is a no primary antibody control. The images were captured at 40X magnification.



View more figures on [thermofisher.com](https://www.thermofisher.com)

## 27 References

### Western Blot (12)

#### Scientific reports

#### Macrophage activation and polarization modify P2X7 receptor secretome influencing the inflammatory process.

"713400 was used in western blot to characterize the P2X7R-secretome in M1 and M2 macrophages."

Authors: de Torre-Minguela C,Barberà-Cremades M,Gómez AI,Martín-Sánchez F,Pelegrín P

**Species**  
Mouse

**Dilution**  
Not Cited

**Year**  
2016

#### Cell adhesion and migration

#### Hypoxia regulates ANXA1 expression to support prostate cancer cell invasion and aggressiveness.

"713400 was used in western blot to elucidate the mechanisms by which Annexin A1 governs metastatic behavior in prostate cancer cells exposed to hypoxia"

Authors: Bizzarro V,Belvedere R,Migliaro V,Romano E,Parente L,Petrella A

**Species**  
Human

**Dilution**  
1:10,000

**Year**  
2017

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### Immunohistochemistry (4)

#### The American journal of pathology

#### Cross-species comparison of human and mouse intestinal polyps reveals conserved mechanisms in adenomatous polyposis coli (APC)-driven tumorigenesis.

"71-3400 was used in immunohistochemistry to compare expression profiles of intestinal polyps derived humans and mice"

Authors: Gaspar C,Cardoso J,Franken P,Molenaar L,Morreau H,Möslein G,Sampson J,Boer JM,de Menezes RX,Fodde R

**Species**  
Not Applicable

**Dilution**  
Not Cited

**Year**  
2008

#### BMC medical genomics

#### Differentially expressed proteins in positive versus negative HNSCC lymph nodes.

"71-3400 was used in Immunohistochemistry to characterise the proteomic profile of lymph node metastasis from head and neck squamous cell carcinomas."

Authors: Vidotto A,Polachini GM,de Paula-Silva M,Oliani SM,Henrique T,López RVM,Cury PM,Nunes FD,Góis-Filho JF,de Carvalho MB,Leopoldino AM,Tajara EH

**Species**  
Human

**Dilution**  
Not Cited

**Year**  
2018

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ICC (3)

IF (2)

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ELISA (1)

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Misc (1)

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