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[KD Validated] Annexin A1/ANXA1 Rabbit mAb

Catalog No.: A25918 Recombinant

Basic Information

Observed MW
38kDa

Calculated MW
39kDa

Category
Primary antibody

Applications
WB,IHC-P,IF/ICC,IP,ELISA

Cross-Reactivity
Human, Mouse, Rat

CloneNo number
ARC66904

Background

This gene encodes a membrane-localized protein that binds phospholipids. This protein inhibits phospholipase A2 and has anti-inflammatory activity. Loss of function or expression of this gene has been detected in multiple tumors.

Recommended Dilutions

WB	1:7000 - 1:70000
IHC-P	1:2000 - 1:20000
IF/ICC	1:200 - 1:400
FC	1:1000 - 1:3000
IP	0.5μg-4μg antibody for 400μg-600μg extracts of whole cells
ELISA	Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID
301

Swiss Prot
P04083

Immunogen
Recombinant protein (or fragment).This information is considered to be commercially sensitive.

Synonyms
ANX1; LPC1

Product Information

Source
Rabbit

Isotype
IgG

Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

Contact

400-999-6126

cn.market@abclonal.com.cn

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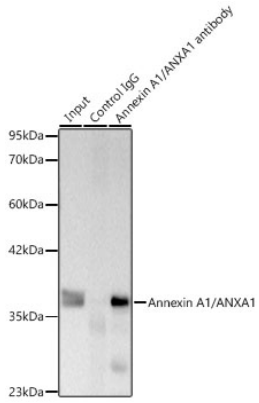
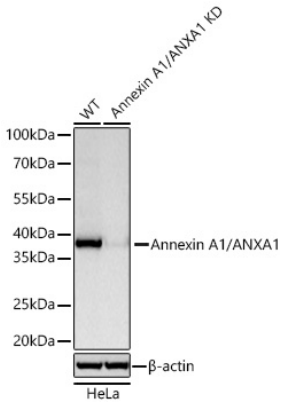
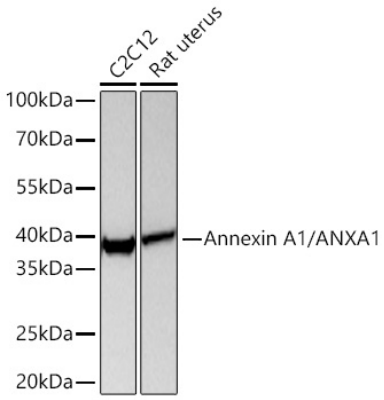
Validation Data



Immunoprecipitation of [KD Validated] Annexin A1/ANXA1 from 500 µg extracts of C2C12 cells was performed using 2 µg of [KD Validated] Annexin A1/ANXA1 Rabbit mAb (A25918). Rabbit IgG isotype control (AC042) was used to precipitate the Control IgG sample. IP samples were eluted with 1X Laemmli Buffer. The Input lane represents 10% of the total input. Western blot analysis of immunoprecipitates was conducted using [KD Validated] Annexin A1/ANXA1 Rabbit mAb (A25918) at a dilution of 1:8000.

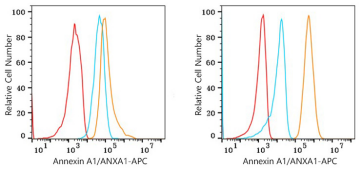


Western blot analysis of lysates from wild type (WT) and Annexin A1/ANXA1 knockdown (KD) HeLa cells using [KD Validated] Annexin A1/ANXA1 Rabbit mAb (A25918) at 1:50000 dilution incubated at room temperature for 1.5 hours.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 1s.

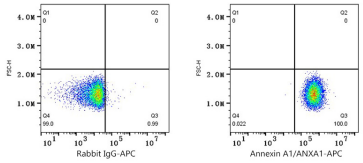


Western blot analysis of various lysates using [KD Validated] Annexin A1/ANXA1 Rabbit mAb (A25918) at 1:50000 dilution incubated at room temperature for 1.5 hours.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 1s.

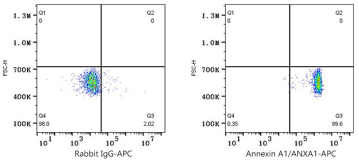
Validation Data



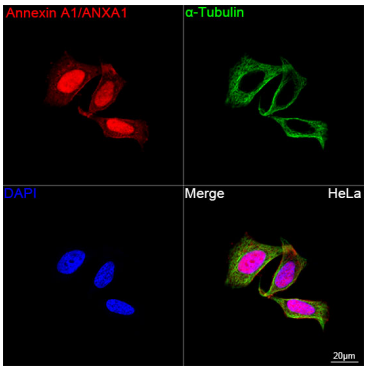
Flow cytometry: 1X10^6 293T cells (negative control,left) and A549 cells (right) were intracellularly-stained with [KD Validated] Annexin A1/ANXA1 Rabbit mAb (A25918, dilution 1:1000,orange line) or Rabbit IgG isotype control (AC042,2 µg/mL,blue line), followed by APC conjugated goat anti-rabbit pAb staining. Non-fluorescently stained cells were used as blank control (red line).



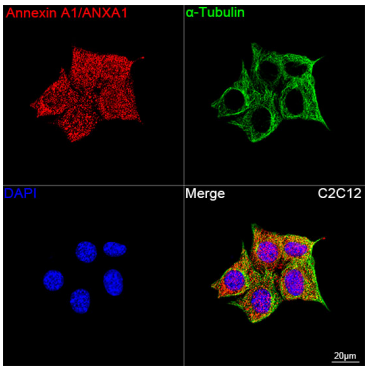
Flow cytometry: 1X10^6 A549 cells (right) were intracellularly-stained with Rabbit IgG isotype control (AC042,2 µg/mL,left) or [KD Validated] Annexin A1/ANXA1 Rabbit mAb (A25918, dilution 1:1000,right), followed by APC conjugated goat anti-rabbit pAb staining.



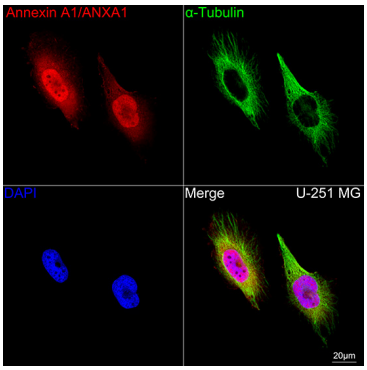
Flow cytometry: 1X10^6 Human PBMC (right) were intracellularly-stained with Rabbit IgG isotype control (AC042,2 µg/mL,left) or [KD Validated] Annexin A1/ANXA1 Rabbit mAb (A25918, dilution 1:1000,right), followed by APC conjugated goat anti-rabbit pAb staining. Cells in the monocyte gate were used for analysis.



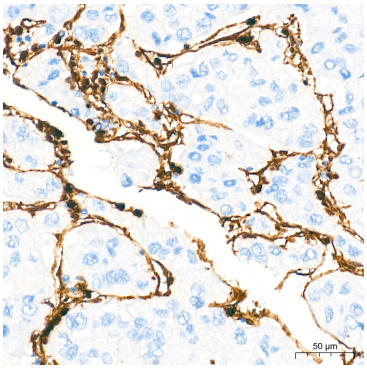
Confocal imaging of HeLa cells using [KD Validated] Annexin A1/ANXA1 Rabbit mAb (A25918, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). The cells were counterstained with α-Tubulin Mouse mAb (AC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) Ab (AS076, dilution 1:500) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.



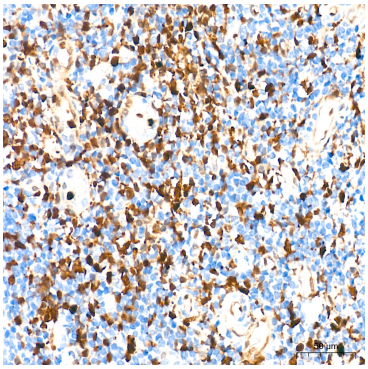
Confocal imaging of C2C12 cells using [KD Validated] Annexin A1/ANXA1 Rabbit mAb (A25918, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). The cells were counterstained with α-Tubulin Mouse mAb (AC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) Ab (AS076, dilution 1:500) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.



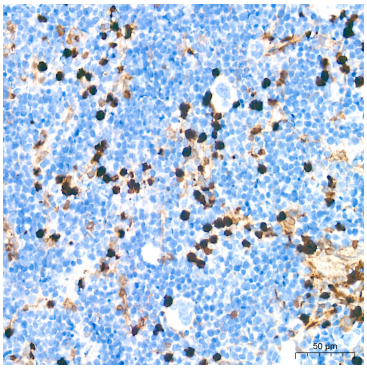
Confocal imaging of U-251 MG cells using [KD Validated] Annexin A1/ANXA1 Rabbit mAb (A25918, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). The cells were counterstained with α-Tubulin Mouse mAb (AC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) Ab (AS076, dilution 1:500) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.



Immunohistochemistry analysis of paraffin-embedded Human liver cancer tissue using [KD Validated] Annexin A1/ANXA1 Rabbit



Immunohistochemistry analysis of paraffin-embedded Human tonsil tissue using [KD Validated] Annexin A1/ANXA1 Rabbit mAb



Immunohistochemistry analysis of paraffin-embedded Mouse spleen tissue using [KD Validated] Annexin A1/ANXA1 Rabbit mAb

Validation Data

mAb (A25918) at a dilution of 1:9000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer(pH 9.0) prior to IHC staining.

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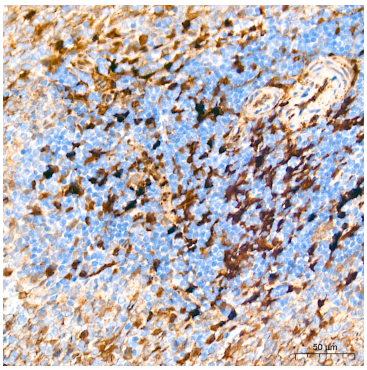
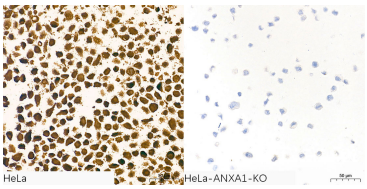


Immunohistochemistry analysis of paraffin-embedded Rat spleen tissue using [KD Validated] Annexin A1/ANXA1 Rabbit mAb (A25918) at a dilution of 1:9000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer(pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Hela and HeLa-ANXA1-KO cells using [KD Validated] Annexin A1/ANXA1 Rabbit mAb (A25918) at a dilution of 1:9000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.