ALPHA DIAGNOSTIC INTERNATIONAL

Product Specification Sheet

Anti-Annexin A3 Antibody

Cat # ANX311-A	Rabbit Anti-Mouse Annexin A3 (Anxa3) IgG Affinity purified	**SIZE**: 100 ug
Cat # ANX311-P	Mouse Annexin A3 (Anxa3) Control/Blocking peptide	**SIZE**: 250 ug
Cat # ANX311-S	Rabbit Anti-Mouse Annexin A3 (Anxa3) antiserum	**SIZE:** 100 ul

Inhibitor of phospholipase A2, also possesses anti-coagulant properties. Also cleaves the cyclic bond of inositol 1,2-cyclic phosphate to form inositol 1-phosphate.

Source of Antigen and Antibodies

Antigen	Mix of 2 peptides between 19-21 amino acids long of Mouse Annexin A1 (Uniprot: P10107) conjugated to KLH
Ab Host/type	Rabbit, polyclonal Aff pure IgG (**cat # ANX311-A**) purified over the antigen column
Secondary-antibody	Cat # 20320, goat anti-rabbit IgG-HRP (AP, biotin, FITC conjugates also available
Isotype control	# 20009-1, Rabbit (non-immune) IgG, purified, suitable for ELISA, Western, IHC. IP, CHIP, and Flow cytometry as a negative control.

Form & Storage of Antibodies/Peptide Control

Affinity pure IgG

□ ____ ul Solution; Concentration: _____
□ Lyophilized powder

Supplied in **Buffer**: PBS+0.1% BSA
Reconstitute powder in PBS at 1mg/ml

Control/blocking peptide

□ 250 ug/250 ul □ Solution □ Lyophilized powder

Reconstitute powder in PBS at 1 mg/ml.

Storage

Short-term: unopened, undiluted liquid vials at 20°C and powder at 4°C or -20°C.
Long-term: at –20°C or below in suitable aliquots after reconstitution. Do not freeze and thaw and store working, diluted solutions.

Stability: 6-12 months at –20°C or below.

Shipping: 4°C for solutions and room temp for powder

Recommended Usage

Western Blotting: 0.5-5 ug/ml using affinity pure. 1:1k-1:5k for antiserum

ELISA: Assay dependent concentration.

IHC/ICC: 5-10 ug/ml

*Product may work in applications such as CHIP, IP, or Flow cytometry but have not been tested by ADI. Above concentrations are a suggested starting point. User must optimize conditions based on their own assay.

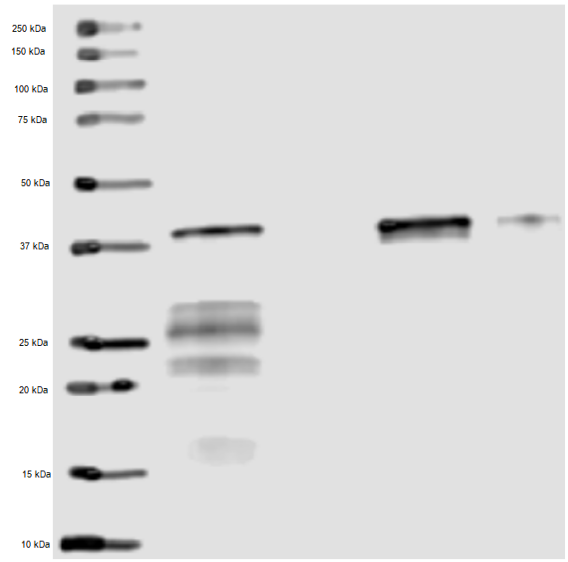
Specificity & Cross-reactivity

Mix of 2 peptides which which are 95-100% conserved in Mouse, Rat, Human, and Monkey. Also shows 90-95% conservation across Xenopus laevis, Horse, Dog, Cat, Bovine, and Goat. Reactivity has not been assessed in other species. Control/blocking peptide (**ADI cat# ANX311-P**) can be used for antibody blocking experiments (use 5-10 ug control peptide per 1 ug of aff pure IgG or 1 ul antiserum) to confirm antibody specificity.

**This product is for In vitro research use only.*

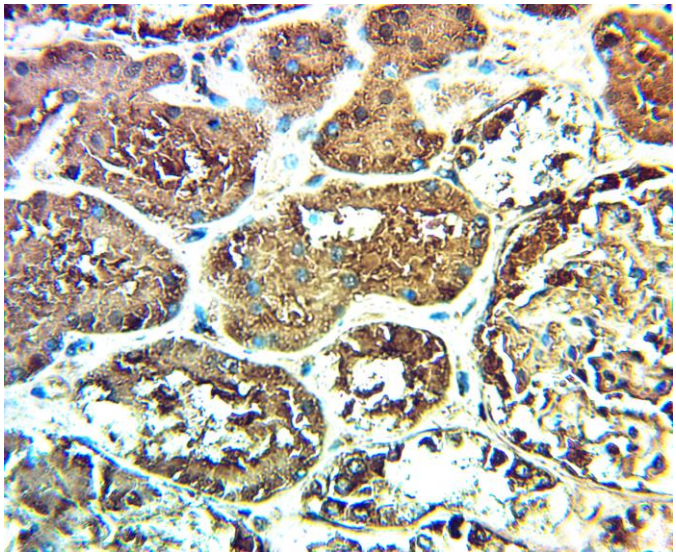
Related materials available from ADI

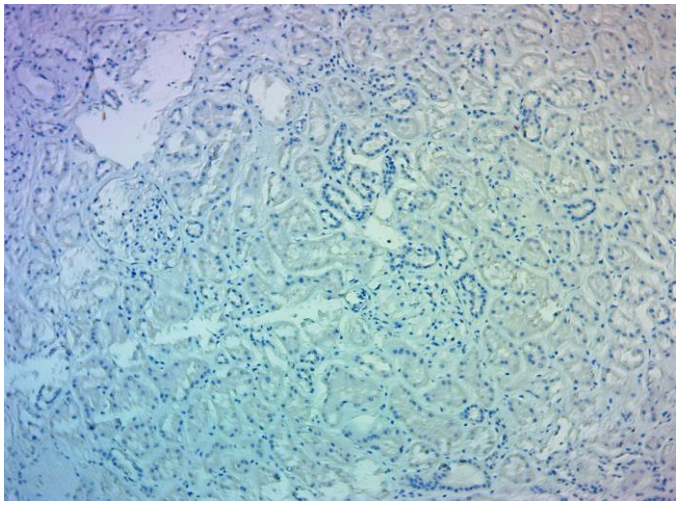
Catalog#	Description
ANX211-P	Mouse Annexin A2 (Anxa2) Control/Blocking peptide #1
ANX211-S	Rabbit anti-Mouse Annexin A2 (Anxa2) antiserum
ANX311-A	Rabbit anti-Mouse Annexin A3 (Anxa3) IgG. Aff. Pure
ANX311-P	Mouse Annexin A3 (Anxa3) Control/Blocking peptide
ANX-200-A2A	Human Anti-Annexin A2 IgG ELISA Kit, Quantitative, 96 tests
ANX111-A	Rabbit anti-Mouse Annexin A1 (Anxa1) IgG. Affinity Pure
ANX111-P	Mouse Annexin A1 (Anxa1) Control/Blocking peptide #1
ANX111-S	Rabbit anti-Mouse Annexin A1 (Anxa1) antiserum
ANX211-A	Rabbit anti-Mouse Annexin A2 (Anxa2) IgG. Aff. Pure
ANX311-S	Rabbit anti-Mouse Annexin A3 (Anxa3) antiserum
ANX-215-A2A	Mouse Anti-Annexin A2 IgM ELISA Kit, Quantitative, 96 tests
9580	Human Annexin A1 (ANXA1) ELISA Kit, 96 tests, Quantitative
9590	Human Annexin A3 (ANXA3) ELISA Kit, 96 tests, Quantitative
9585	Human Annexin A2 (ANXA2) ELISA Kit, 96 tests, Quantitative



25 ug of HeLa, MCF7, Mouse brain, and mouse kidney lysates (ADI cat# HELA-100, MNK-100, MBL-100) were boiled for 5 minutes at 95ºC then loaded onto an Any Kd gel (Biorad). Gels were run for ~40 minutes at 200V and transferred to a nitrocellulose membrane. Ladders were annotated with ADI antigen-antibody pen and blocked for 1 hour with 5% BSA. ANX311-A was incubated at 1 ug/ml overnight (16 hours) at 4ºC. Blot was washed with TBS-T 3 times for 5 minutes. Goat anti-rabbit IgG HRP (ADI cat#20320) was added at 1:2500 dilution for 1 hour at room temperature. Blot was washed 3 times with TBS-T for 5 minutes. ADI Femto ECL substrate (ADI cat#80210) was added for 5 minutes and the blot was imaged on a Licor C-digit at high sensitivity. Band is observed at ~38 kDa

Western Blot Positive controls: HeLa (Human), and Mouse brain lysate





5 um Human Kidney FFPE tissue was baked for 20 minutes at 60ºC. Slides were deparrafinized then antigen retrieval was performed with EDTA pH 8 for 10 minutes at 95ºC in a microwave. Slides were blocked with 2.5% normal goat serum for 30 minutes at room temperature. Antibody was diluted with PBST+3% BSA to 10 ug/ml and incubated for 3 hours at 4ºC. Slides were washed 3 times for 5 minutes with PBST and incubated with a Goat anti-rabbit HRP Polymer detection reagent at room temperature for 30 minutes. Slides were washed with PBST 3 times and incubated with DAB for 1 minute. Slides were briefly washed with water and counterstained with Gill's II Hematoxylin for 3 minutes. Slides were washed in running tap water for 5 minutes then dipped in 0.3% Ammonium water for 10 dips and washed in distilled water. Slides were mounted with Advantage aqueous mounting medium and coverslipped. Bottom figure represents a negative control slide incubated with non-immune Rabbit IgG instead of primary antibody.

ANX311-A-S-P 171226IA

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