

## Anti-Annexin A3/ANXA3 Antibody

Catalog Number: PA1510

### About Anxa3

Annexin A3 is a protein that in humans is encoded by the Annexin A3 gene. The Annexin A3 gene contains 13 exons and spans 58 kb of genomic DNA. The Annexin A3 gene is mapped to 4q21. It is abnormally expressed in fetuses of both IVF and ICSI, which may contribute to the increase risk of birth defects in these ART. This gene encodes a member of the annexin family. Members of this calcium-dependent phospholipid-binding protein family play a role in the regulation of cellular growth and in signal transduction pathways. This protein functions in the inhibition of phospholipase A2 and cleavage of inositol 1,2-cyclic phosphate to form inositol 1-phosphate. This protein may also play a role in anti-coagulation.

### Overview

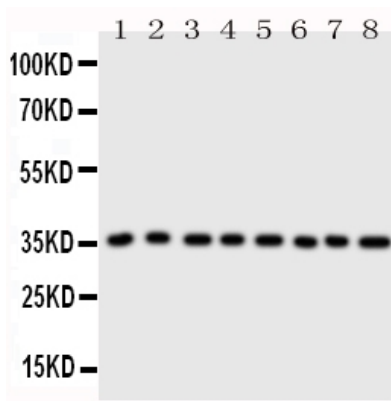
Product Name	Anti-Annexin A3/ANXA3 Antibody
Reactive Species	Human, Mouse, Rat
Description	Rabbit IgG polyclonal antibody for Annexin A3(ANXA3) detection. Tested with WB, IHC-P in Human;Mouse;Rat.
Application	IHC, WB
Clonality	Polyclonal
Formulation	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.
Storage Instructions	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.
Host	Rabbit
Uniprot ID	P14669

### Technical Details

Immunogen	A synthetic peptide corresponding to a sequence in the middle region of rat Annexin A3(124-141aa RQMKEISQAYYTAYKKNL), different from the related human and mouse
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	sequences by two amino acids.
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot, and HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit (SV0002-1) for IHC(P).
Cross Reactivity	No cross reactivity with other proteins
Isotype	N/A
Form	Lyophilized
Concentration	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Immunohistochemistry(Paraffin-embedded Section), 0.5-1µg/ml, Human, Mouse, Rat, By Heat Western blot, 0.1-0.5µg/ml, Human, Rat, Mouse
	For protocols please visit <a href="https://www.bosterbio.com/protocol-and-troubleshooting/">https://www.bosterbio.com/protocol-and-troubleshooting/</a>

## Anti-Annexin A3/ANXA3 Antibody (PA1510) Images



Anti-Annexin A3 antibody, PA1510, Western blotting

All lanes: Anti Annexin A3 (PA1510) at 0.5ug/ml

Lane 1: Rat Brain Tissue Lysate at 50ug

Lane 2: Rat Testis Tissue Lysate at 50ug

Lane 3: Rat Skeletal Muscle Tissue Lysate at 50ug

Lane 4: Rat Lung Tissue Lysate at 50ug

Lane 5: SW620 Whole Cell Lysate at 40ug

Lane 6: HELA Whole Cell Lysate at 40ug

Lane 7: SMMC Whole Cell Lysate at 40ug

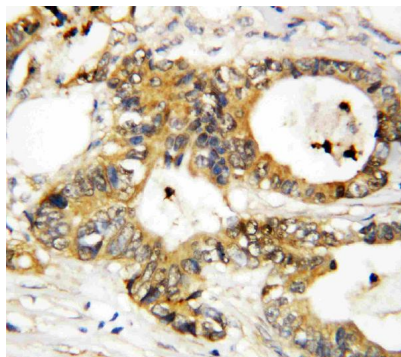
Lane 8: MCF-7 Whole Cell Lysate at 40ug

Predicted bind size: 36KD

Observed bind size: 36KD

Anti-Annexin A3 antibody, PA1510, IHC(P)

IHC(P): Human Mammary Cancer Tissue



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