

## Product datasheet for **AP20637PU-M**

### Annexin A3 (ANXA3) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	<b>Western blot:</b> 1/500-1/1000. <b>Immunohistochemistry on paraffin sections:</b> 1/50-1/200.
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Specificity:	This antibody detects endogenous levels of Annexin III protein. (region surrounding Tyr64)
Formulation:	Phosphate buffered saline (PBS), pH 7.2 State: Aff - Purified State: Liquid purified Ig fraction Preservative: 0.05% sodium azide
Concentration:	1.0 mg/ml
Purification:	Affinity-chromatography using epitope-specific immunogen; purity is > 95% (by SDS-PAGE)
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	~ 36 kDa
Gene Name:	annexin A3
Database Link:	<u><a href="#">Entrez Gene 11745 Mouse</a></u> <u><a href="#">Entrez Gene 306 Human</a></u> <u><a href="#">P12429</a></u>



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## Background:

The Annexin family of calcium-binding proteins is composed of at least ten mammalian genes and is characterized by a conserved core domain, which binds phospholipids in a  $\text{Ca}^{2+}$ -dependent manner, and a unique amino-terminal region, which may confer binding specificity. Annexin family members have been implicated as regulators of such diverse processes as ion flux, endocytosis, exocytosis and cellular adhesion. Annexin III, also known as ANXA3, Annexin A3, Lipocortin III, PAP-III (placental anticoagulant protein III), 35- $\alpha$  calcimedin or ANX3, belongs to the Annexin family and contains four Annexin repeats. Annexin III exhibits a variety of functions, including anti-coagulant properties, an inhibitory role towards phospholipase A2 (PLA2) and an enzymatic function, cleaving the cyclic bond of inositol 1,2-cyclic phosphate to produce inositol 1-phosphate.

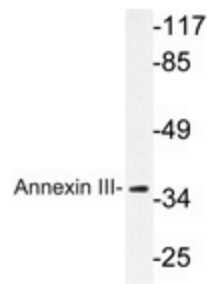
## Synonyms:

ANX3, Annexin-3, Annexin III, PAP-III, Lipocortin III, 35-alpha calcimedin

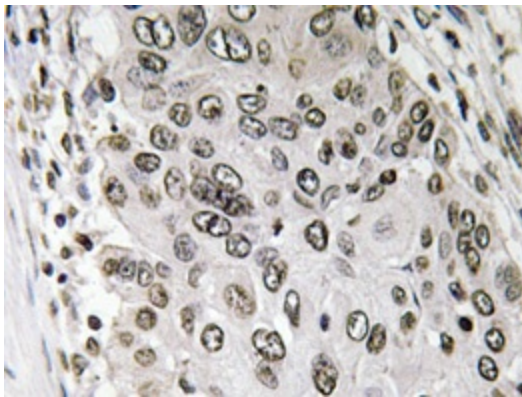
## Protein Families:

Stem cell - Pluripotency

## Product images:



Western blot analysis of Annexin III antibody (Cat.-No.: [AP20637PU-N]) in extracts from HepG2 cells.



Immunohistochemistry analyzes of Annexin III antibody (Cat.-No.: [AP20637PU-N]) in paraffin-embedded human lung carcinoma tissue.