SunLong Biotech Co.,LTD
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[Primary Antibody]

Mouse Anti-Annexin IV antibody

Catalog Number: SLM-60359M

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Mouse
Isotype:	IgG
Clonality:	Monoclonal
Clone No.:	D4C7
Target:	Annexin IV
Immunogen:	KLH conjugated synthetic peptide derived from human Annexin IV
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB (1:500-2000) ICC/IF (1:50-200) Not yet tested in other applications. Optimal working dilutions must be determined by the end user.
Reactivity:	Human
Predicted MW.:	35kDa
Subcellular Location:	The nucleus cytoplasmic The cell membrane
Background:	The Annexins are a family of structurally similar proteins. Annexins bind to phospholipids and may be involved in regulation of membrane transport, membrane channel activity, and interaction of the cell membrane with the extracellular matrix. Annexin A4 (ANXA4) belongs to the annexin family of calcium dependent phospholipid binding proteins. Although their functions are still not clearly defined, several members of the annexin family have been implicated in membrane related events along exocytotic and endocytotic pathways. ANXA4 has 45 to 59% identity with other members of its family and shares a similar size and exon intron organization. Isolated from human placenta, ANXA4 encodes a protein that has possible interactions with ATP, and has in vitro anticoagulant activity and also inhibits phospholipase A2 activity. ANXA4 is almost exclusively expressed in epithelial cells. **Function:** Calcium/phospholipid-binding protein which promotes membrane

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	fusion and is involved in exocytosis. **Similarity:** Belongs to the annexin family. Contains 4 annexin repeats. **Database links:** **Entrez Gene:** 281625 Cow **Entrez Gene:** 606756 Dog **Entrez Gene:** 307 Human **Entrez Gene:** 11746 Mouse **Entrez Gene:** 79124 Rat Omim: 106491 Human **SwissProt:** P13214 Cow **SwissProt:** P50994 Dog **SwissProt:** P09525 Human **SwissProt:** P97429 Mouse **SwissProt:** P08132 Pig **SwissProt:** P55260 Rat **Unigene:** 422986 Human **Unigene:** 259702 Mouse **Unigene:** 19270 Rat

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