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DATA SHEET

Mouse Anti-Annexin 13/Annexin A13 [H1]: MC0254. MC0254RTU7

Intended Use: For Research Use Only

Description: The Annexins constitute a family of structurally-related, relatively abundant proteins that exhibit Ca2+-dependent binding to phospholipids. Annexins function in multiple aspects of cell biology including regulation of membrane trafficking, transmembrane channel activity, inhibition of phospholipase A2, inhibition of coagulation and mediation of cell-matrix interactions. Annexin A13 is considered the original progenitor of the 12 members of vertebrate Annexins. The expression of Annexin A13 is highly tissue-specific, being expressed only in intestinal and kidney epithelial cells. This expression is associated with a highly differentiated intracellular transport function. Two alternative splicing isoforms of Annexin A13 exist, both of which bind to rafts.

Specifications

Clone:	H1
Source:	Mouse
Isotype:	IgG2a/k
Immunogen:	Human Annexin A13 C-terminus aa 271-310
Localization:	Membrane
Formulation:	Antibody in PBS pH7.4, containing BSA and ≤ 0.09% sodium azide (NaN3)
Storage:	Store at 2°- 8°C
Applications:	IHC, ELISA, IF, IP WB

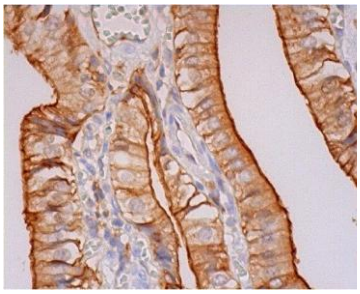
Package:

Description	Catalog No.	Size
Annexin 13/Annexin A13 Concentrated	MC0254	1 ml
Annexin 13/Annexin A13 Prediluted	MC0254RTU7	7 ml

IHC Procedure*

Positive Control Tissue:	Gall bladder, colon cancer
Concentrated Dilution:	50-200
Pretreatment:	Tris EDTA pH9.0, 15 min Pressure Cooker or 30-60 min water bath at 95°-99°C
Incubation Time and Temp:	30-60 minutes @ RT
Detection:	Refer to the detection system manual

* Result should be confirmed by an established diagnostic procedure.



FFPE human gall bladder stained with anti-Annexin A10 using DAB

References:

1. Annexin A13 promotes tumor cell invasion in vitro and is associated with metastasis in human colorectal cancer. Jiang G, et al. Oncotarget. Mar 28;8(13):21663-21673, 2017.
2. Identification of annexin A13 as a regulator of chemotherapy resistance using random homozygous gene perturbation. Reiske H, et al. Anal Quant Cytol Histol. Apr;32(2):61-9, 2010.
3. Structure-function relationship in annexin A13, the founder member of the vertebrate family of annexins. Turnay J, et al. Biochem J. Aug 1;389(Pt 3):899-911, 2005.

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