AKAP9 Monoclonal Antibody (17G10)

Product Details	
Size	100 µg
Species Reactivity	Human, Mouse
Host/Isotype	Mouse / IgG
Class	Monoclonal
Type	Antibody
Clone	17G10
Conjugate	Unconjugated
Immunogen	Synthetic peptide corresponding to residues Q(31) F R Q R K A Q S D G Q S P S(45) of human AKAP450.
Form	Liquid
Concentration	1 mg/mL
Purification	Protein G
Storage buffer	PBS with 1mg/mL BSA
Contains	0.05% sodium azide
Storage conditions	-20° C, Avoid Freeze/Thaw Cycles
RRID	AB_2223975

Applications	Tested Dilution	Publications
Western Blot (WB)	2 µg/mL	-
Immunohistochemistry (Paraffin) (IHC (P))	1:10-1:100	-
Immunocytochemistry (ICC/IF)	4 µg/mL	-
Immunoprecipitation (IP)	Assay-dependent	-

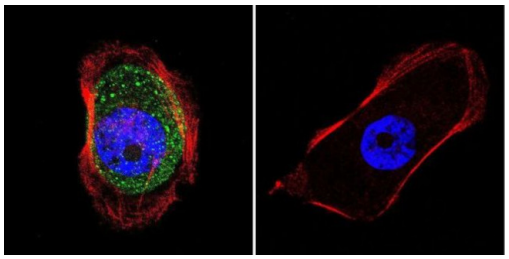
Product Specific Information

MA1-803 detects the AKAP450 in human and mouse cells.

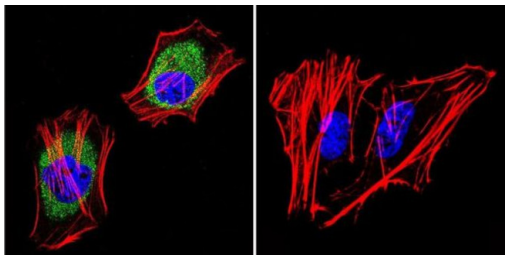
MA1-803 has been successfully used in Western blot, immunoprecipitation, immunohistochemistry, and immunofluorescence procedures.

The MA1-803 immunogen is a synthetic peptide corresponding to residues Q(31) F R Q R K A Q S D G Q S P S(45) of human AKAP450.

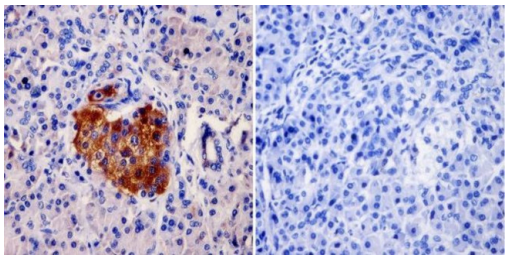
Product Images For AKAP9 Monoclonal Antibody (17G10)



AKAP9 Antibody (MA1-803) in ICC/IF
Immunofluorescent analysis of AKAP450 in A431 cells. Cells were grown on chamber slides and fixed with formaldehyde prior to staining. Cells were probed without (control) or with a AKAP450 monoclonal antibody (Product # MA1-803) at a dilution of 1:100 overnight at 4 C, washed with PBS and incubated with a DyLight-488 conjugated secondary antibody (Product # 35503). AKAP450 staining (green), F-Actin staining with Phalloidin (red) and nuclei with DAPI (blue) is shown. Images were taken at 60X magnification.



AKAP9 Antibody (MA1-803) in ICC/IF
Immunofluorescent analysis of AKAP450 in HeLa cells. Cells were grown on chamber slides and fixed with formaldehyde prior to staining. Cells were probed without (control) or with a AKAP450 monoclonal antibody (Product # MA1-803) at a dilution of 1:20 overnight at 4 C, washed with PBS and incubated with a DyLight-488 conjugated secondary antibody (Product # 35503). AKAP450 staining (green), F-Actin staining with Phalloidin (red) and nuclei with DAPI (blue) is shown. Images were taken at 60X magnification.



AKAP9 Antibody (MA1-803) in IHC (P)
Immunohistochemistry was performed on normal biopsies of deparaffinized Human pancreas tissue. To expose target proteins, heat induced antigen retrieval was performed using 10mM sodium citrate (pH6.0) buffer, microwaved for 8-15 minutes. Following antigen retrieval tissues were blocked in 3% BSA-PBS for 30 minutes at room temperature and probed with a AKAP450 monoclonal antibody (Product # MA1-803) at a dilution of 1:20 or without primary antibody (negative control) overnight at 4°C in a humidified chamber. Tissues were washed with PBST and endogenous peroxidase activity was quenched with a peroxidase suppressor. Detection was performed using a biotin-conjugated secondary antibody and SA-HRP, followed by colorimetric detection using DAB. Tissues were counterstained with hematoxylin and prepped for mounting.

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