MAP17 - PDZK1

CONTACT INFORMATION:	Monoclonal Antibodies Unit. Centro Nacional de Investigaciones Oncológicas
STATUS:	Validated
TYPE:	mouse monoclonal
CLONE NAME:	165C
PROTEIN:	PDZK1-interacting protein 1-Protein DD96
PROTEIN WEB:	https://www.uniprot.org/uniprot/Q13113#names_and_taxonomy
ANTIGEN USED:	GST-MAP17
FUSION PARTNER:	NS1/Ag4-1 (NS1) cells
ISOTYPE:	IgG1
SPECIES REACTIVITY:	Human
PREPARATION AND STORAGE:	Aliquot and store at 4C. Do not freeze
COMMERCIALIZED BY:	Millipore

DESCRIPTION

May play an important role in tumor biology.

REFERENCES

MAP17 and SGLT1 protein expression levels as prognostic markers for cervical tumor patient survival. Perez M, Praena-Fernandez JM, Felipe-Abrio B, Lopez-Garcia MA, Lucena-Cacace A, Garcia A, Lleonart M, Roncador G, Marin JJ, Carnero A. PLoS One. 2013;8 (2).

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MAP17 inhibits Myc-induced apoptosis through PI3K/AKT pathway activation. Guijarro MV, Link W, Rosado A, Leal JF, Carnero A.

Carcinogenesis. 2007 Dec;28(12):2443-50.

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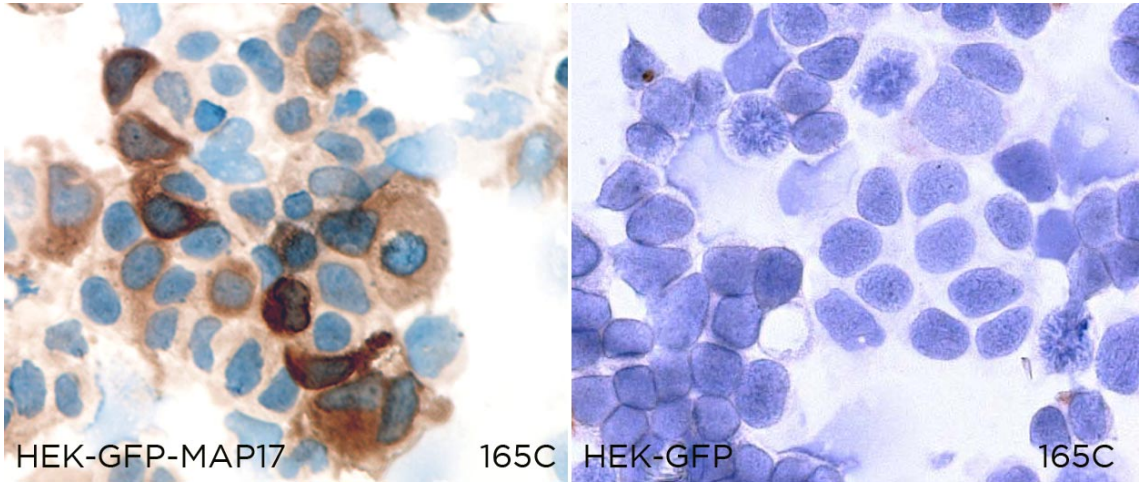
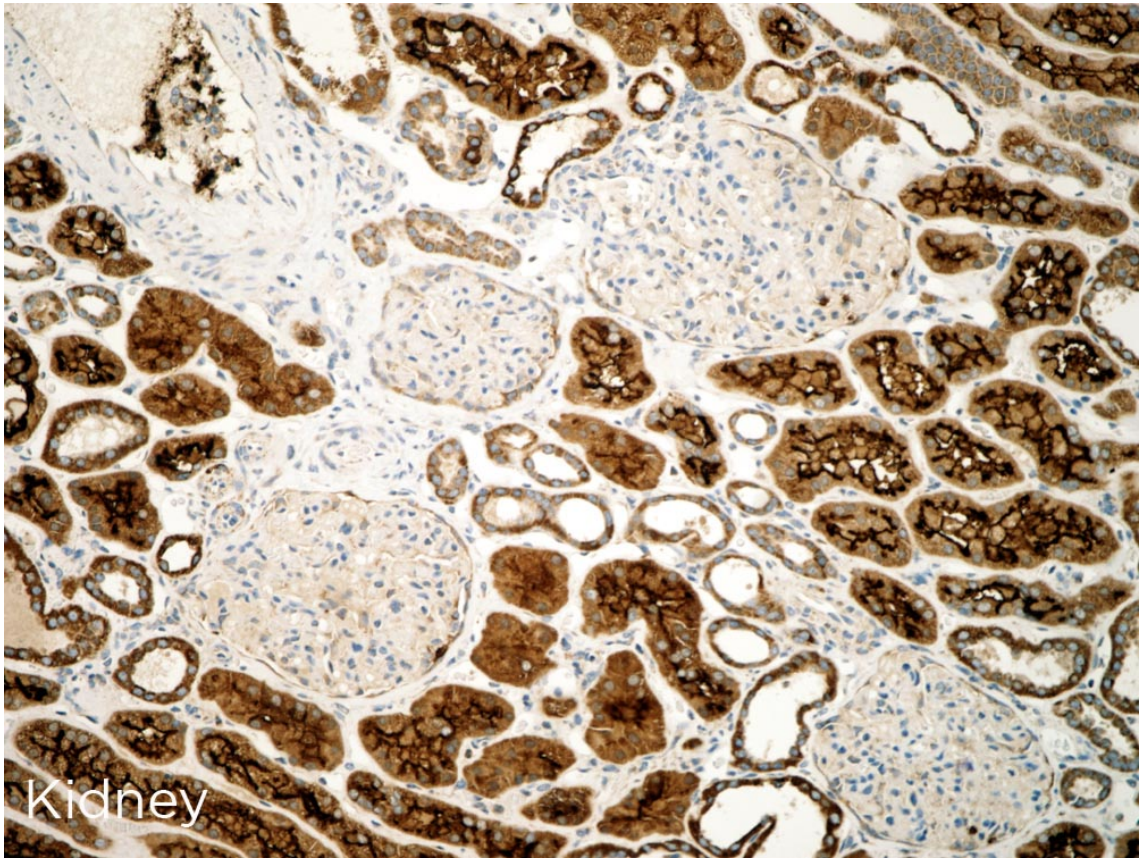
APPLICATIONS

IHC Techniques	Clone	Dilution	Antibody concentration	Antigen retrieval method	Visualization kit	Positive control	Negative control	Protein localization	Positivity in other species
Frozen tissue and cytospins									
Recommended	165C	Neat	supernatant						
Paraffin tissue									
Recommended	165C	1:5	supernatant			Kidney			
Immunofluorescence									



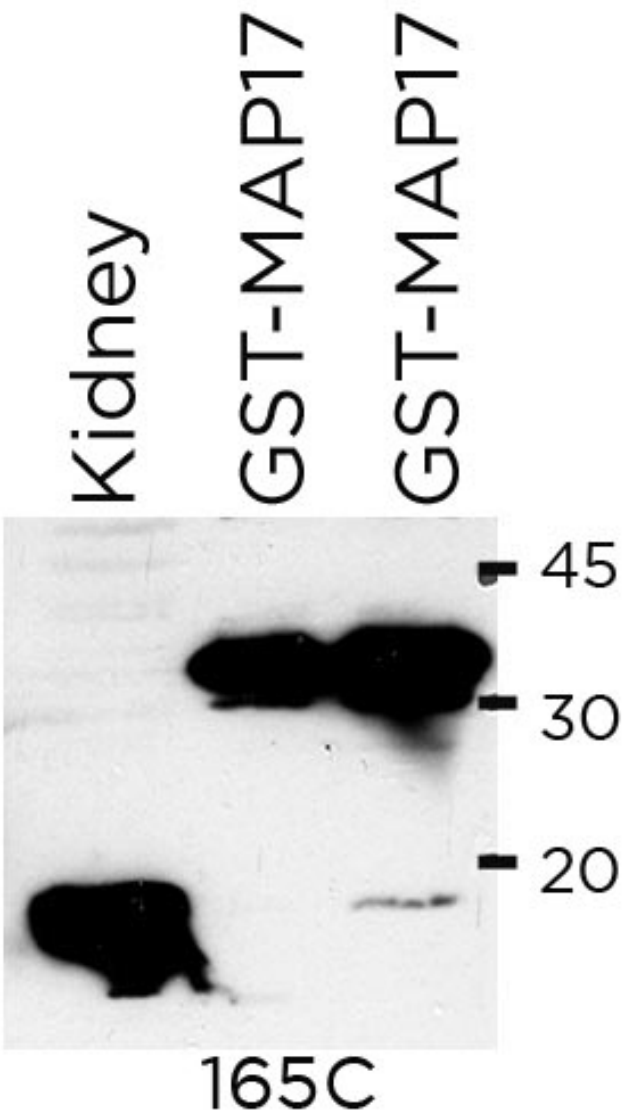
165C is able to detect human MAP17 protein in immunocytochemistry

To confirm that 165C mAb recognizes human MAP17 protein, immunocytochemistry on frozen cytospin preparations of GFP-tagged MAP17 expressed in HEK293T was performed. Cytospin preparation of GFP transfected cells was used as negative control.



165C mAb can be used to detect MAP17 protein in human paraffin tissues.

WB Techniques	Clone	Dilution	Antibody concentration	Positive control	Negative control	Expected MW	Observed Mw	Positivity in other species
Western Blotting								
Recommended	165C	Neat	supernatant	Kidney		12kDa	12kDa	
Immunoprecipitation								



165C mAb is able to detect human MAP17 protein by WB.
LANES

Lane 1 Human kidney (100ug) (+)

Lane 2 GST-MAP17 recombinant protein (0,1ug) (+)

Lane 3 GST-MAP17 recombinant protein (0,2ug) (+)