

Multimomics Analysis of *TMEM200A* as a Pan-Cancer Biomarker

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Materials

Name	Company	Catalog Number	Comments
Anti-AKT antibody	Proteintech Group, Inc	60203-2-Ig	
Anti-E-cadherin antibody	Proteintech Group, Inc	20874-1-AP	
anti-glyceraldehyde 3-phosphate dehydrogenase (GAPDH) antibody	Proteintech Group, Inc	10494-1-AP	
Anti-N-cadherin antibody	Proteintech Group, Inc	22018-1-AP	
Anti-P-AKT antibody	Proteintech Group, Inc	66444-1-Ig	
Anti-snail antibody	Proteintech Group, Inc	13099-1-AP	
Anti-Vimentin antibody	Proteintech Group, Inc	10366-1-AP	
AxyPrepMultisourceTotalRNAMini-prep Kit	Suzhou Youyi Landi Biotechnology Co., Ltd	UEL-UE-MN-MS-RNA-50G	
BCA Protein Assay Kit	Epizyme Biotech	ZJ101L	
CCK-8 reagent	MedChemExpress	HY-K0301-500T	
Fetal bovine serum (FBS)	CYAGEN BIOSCIENCES (GUANGZHOU) INC	FBSSR-01021	
<i>GAPDH</i> primer	Sangon Biotech (Shanghai) Co., Ltd.		Forward primer (5'-3'): TGACATCAAGAAGGTG GTGAAGCAG; Reverse primer (5'-3'): GTGTCGCTGTTGAAG TCAGAGGAG
HighGene plus Transfection reagent	ABclonal	RM09014P	
HRP-conjugated Affinipure Goat Anti-Mouse IgG (H+L)	Proteintech Group, Inc	SA00001-1	
HRP-conjugated Affinipure Goat Anti-Rabbit IgG (H+L)	Proteintech Group, Inc	SA00001-2	
Human gastric mucosal epithelial GES-1 cells	Guangzhou Cellcook Biotech Co.,Ltd.		
Human STAD HGC-27 cells	Procell Life Science&Technology Co.,Ltd		
Human STAD SGC-7901 cells	Procell Life Science&Technology Co.,Ltd		
MonAmp SYBR Green qPCR Mix (None ROX)	Mona (Suzhou) Biotechnology Co., Ltd	MQ10101S	

MonScript RTIII All-in-One Mix with dsDNase	Mona (Suzhou) Biotechnology Co., Ltd	MR05101M	
Omni-ECL Femto Light Chemiluminescence Kit	Epizyme Biotech	SQ201	
PAGE Gel Fast Preparationb Kit	Epizyme Biotech	PG111	
Penicillin-streptomycin (Pen-Strep)	Beijing Solarbio Science & Technology Co.,Ltd	P1400-100	
Polyvinylidene difluoride (PVDF) membrane	Merck KGaA	IPVH00010-1	
Protein Free Rapid Blocking Buffer	Epizyme Biotech	PS108P	
RIPA lysis solution	Beijing Solarbio Science & Technology Co., Ltd	R0010	
RPMI 1640 complete medium	Thermo Fisher Scientific	C11875500BT	
Skimmed milk	Campina: Elk		
TBST buffer solution	Beijing Solarbio Science & Technology Co., Ltd	T1082	
The protein loading buffer	Epizyme Biotech	LT101S	
TMEM200A knockdown plasmid	MiaoLing Plasmid		
<i>TMEM200A</i> primer	Sangon Biotech (Shanghai) Co., Ltd.		Forward primer (5'-3'): AAGGCGGTGTGGTGGTTCG; Reverse primer (5'-3'): GATTTTGGTCTCTTTGTCACGGTT
<i>TMEM200A</i> SiRNA1	MiaoLing Plasmid		Forward primer (5'-3'): ACAACTGATGATAAGACCAG; Reverse primer (5'-3'): TGTTGACTACTATTCTGGTC
<i>TMEM200A</i> SiRNA2	MiaoLing Plasmid		Forward primer (5'-3'): CGTGTGAATGTCAATGACTG; Reverse primer (5'-3'): GCACACTTACAGTTACTGAC
<i>TMEM200A</i> SiRNA3	MiaoLing Plasmid		Forward primer (5'-3'): ACAACCACAACATCTGCCCG; Reverse primer (5'-3'): TGTTGGTGTGTAGACGGGC
Transmembrane protein 200A Antibody	Proteintech Group, Inc	48081-1	
Equipment			
CO ₂ cell culture incubator	Haier Group	PYXE-80IR	
Electrophoresis instrument	Bio-RAD		
Fluorescence quantitative PCR instrument	Bio-RAD		
Multifunctional Enzyme Labeler	Berthold		