

Materials List for:

Assay for Phosphorylation and Microtubule Binding Along with Localization of Tau Protein in Colorectal Cancer Cells

Md Nazmul Huda^{1,2}, Erdenedolgor Erdene-Ochir^{1,2}, Cheol-Ho Pan^{1,2}

¹Systems Biotechnology Research Center, KIST Gangneung Institute of Natural Products

²Division of Bio-Medical Science & Technology, KIST School, Korea University of Science and Technology

Correspondence to: Cheol-Ho Pan at panc@kist.re.kr

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Materials

Name	Company	Catalog Number	Comments
HCT 116 cell	ATCC	CCL-247	
MEM (EBSS)	Hyclone	SH30024.01	
Fetal Bovine Serum (FBS)	ThermoFisher (Gibco)	16000044	Store at -20 °C
penicillin-streptomycin	Hyclone	SV30010	
Trypsin-EDTA solution	WelGene	LS 015-01	
100 mm dish	Corning	430161	
6 well plate	Corning	Coster 3516	
Anti-Tau 13 antibody	abcam	ab19030	
Dithiothreitol (DTT)	Roche	10 708 984 001	Storage Temperature 2–8 °C
Microlitre Centrifuges	Hettich Zentrifugen	MIKRO 200 R	
Paclitaxel	Sigma-Aldrich	T1912	Storage Temperature 2–8 °C
Curcumin	Sigma-Aldrich (Fluka)	78246	Storage Temperature 2–8 °C
Microtubules (MT)	Cytoskeleton	MT001	Store at 4 °C (desiccated)
Mounting Medium with DAPI	Vector Laboratories	H-1200	Store at 4 °C in the dark
Sodium hydroxide	Sigma	72068	
Magnesium Chloride	Sigma-Aldrich	M2670	
GTP	Sigma-Aldrich	G8877	Store at -20 °C
DPBS	WelGene	LB 001-02	
Sonic Dismembrator	Fisher Scientific	Model 500	
Ultracentrifuge	Beckman Coulter	Optima L-100 XP	
PIPES	Sigma	P1851	
Bovine serum Albumin (BSA)	Sigma	A7906	
Molecular Imager	Bio-Rad	ChemiDoc XRS+	Store at 4 °C
Protein assay dye reagent	Bio-Rad	500-0006	
α-tubulin (11H10) Rabbit mAb	Cell signalling	2125	
GAPDH (14C10) Rabbit mAb	Cell signalling	2118	
Anti-Tau (phospho S396) antibody	abcam	ab109390	
EGTA	Sigma	E3889	Store at room temperature
FastAP Thermosensitive Alkaline Phosphatase	Thermo Scientific	EF0651	Store at -20 °C
PMSF	Sigma	P7626	Store at room temperature
Phosphatase Inhibitor Cocktail	Cell Signalling	5870	Store at 4 °C
Protease Inhibitor Cocktail	Cell Signalling	5871	Store at 4 °C

RIPA Buffer	Sigma	R 0278	Storage Temperature 2–8 °C
Tau-352 human	Sigma	T 9950	Store at -20 °C
Triton X-100	Sigma-Aldrich	X - 100	Store at around 25 °C
PVDF membrane	Bio-Rad	162-0177	
Goat anti-mouse IgG Secondary Antibody	ThermoFisher	A-11005	Store at 4 °C in the dark
Confocal Microscopy	Leica Microsystem	Leica TCS SP5	
Sodium Dodecyl Sulfate (SDS)	Affymetrix	75819	
Protein Assay	Bio-Rad	500-0006	Store at 4 °C