

Materials List for:

In Vivo Detection and Analysis of Rb Protein SUMOylation in Human Cells

Fengxi Meng^{1,2}, Xiaofeng Li^{1,2}, Hui Ren^{1,2}, Jiang Qian^{1,2}

¹Department of Ophthalmology, Eye and ENT Hospital of Fudan University

²Shanghai Key Laboratory of Visual Impairment and Restoration, Fudan University

*These authors contributed equally

Correspondence to: Jiang Qian at qianjiang58@hotmail.com

URL: <https://www.jove.com/video/56096>

DOI: [doi:10.3791/56096](https://doi.org/10.3791/56096)

Materials

Name	Company	Catalog Number	Comments
Dulbecco's Modified Eagle Medium (DMEM)	Thermo Fisher Scientific	11995065	
Opti-MEM	Thermo Fisher Scientific	31985070	
Fetal Bovine Serum (FBS)	Thermo Fisher Scientific	26140079	
Penicillin-Streptomycin	Thermo Fisher Scientific	15140122	
Phosphate-buffered Saline (PBS)	Thermo Fisher Scientific	10010023	
Trypsin-EDTA	Thermo Fisher Scientific	25200056	
Thymidine	Sigma	T9250	
Nocodazole	Sigma	M1404	
propidium iodide	Thermo Fisher Scientific	P3566	
Triton X-100	AMRESCO	694	
RNase A	Thermo Fisher Scientific	EN0531	
N-Ethylmaleimide	Sigma	E3876	
Sodium Dodecyl Sulfate (SDS)	AMRESCO	M107	
Nonidet P-40 Substitute (NP-40)	AMRESCO	M158	
protease inhibitor	Roche	5892970001	
Mouse Immunoglobulin G (IgG)	Santa Cruz Biotechnology	sc-2025	
Rb antibody	Cell Signaling Technology	#9309	
Protein A/G-Sepharose Beads	Santa Cruz Biotechnology	sc-2003	
Lipofectamine-2000	Thermo Fisher Scientific	11668019	
Nickel Nitrilotriacetic Acid (Ni-NTA) Agarose Beads	Qiagen	30230	
Imidazole	Sigma	I0250	
4%-20% Gradient SDS-PAGE Gel	BIO-RAD	4561096	
Polyvinylidene Difluoride (PVDF) Membrane	Millipore	IPVH00010	
Tween-20	AMRESCO	M147	
Tubulin antibody	Abmart	M30109	
SUMO1 antibody	Thermo Fisher Scientific	33-2044	
GFP antibody	Abmart	M20004	
Horseradish Peroxidase (HRP) secondary antibody	Jackson ImmunoResearch Laboratories	715-035-150	
enhanced chemiluminescence (ECL) Kit	Thermo Fisher Scientific	32106	