

Materials List for:

Immunostaining Phospho-epitopes in Ciliated Organs of Whole Mount Zebrafish Embryos

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Materials

Name	Company	Catalog Number	Comments
1-phenyl-2-thiourea (PTU)	Sigma	P-7629	0.12% Stock solution. Dilute 1:40 in system water
Alexa488 anti-mouse IgG	Life Technologies	A11001	Goat polyclonal, use at 1:500
Alexa488 anti-rabbit IgG	Life Technologies	A11008	Goat polyclonal, use at 1:500
Alexa488 phalloidin	Life Technologies	A12379	Preferentially binds to F-actin
Alexa568 anti-mouse IgG	Life Technologies	A11004	Goat polyclonal, use at 1:500
Alexa568 anti-rabbit IgG	Life Technologies	A11011	Goat polyclonal, use at 1:500
anti-acetylated α -tubulin	Sigma	T7451	Mouse monoclonal, use at 1:500
anti-phospho-T ²⁸⁷ CaMK-II	EMD Millipore	06-881	Rabbit polyclonal, use at 1:20
anti-total CaMK-II	BD Biosciences	611292	Mouse monoclonal, use at 1:20
Ethanol	Fisher	S96857	Lab grade, 95% denatured
Forceps	Fine Science Tools	11252-20	Dumont #5
Glass coverslips	VWR	16004-330	#1 thickness
Glass microscope slides	Fisher	12-550-15	Standard glass slides
Methanol	Fisher	A411	Store in freezer
Microcentrifuge tubes	VWR	20170-038	capped tubes, not sterile
Normal goat serum	Life Technologies	16210-064	Aliquot 1 ml tubes, store in freezer
Paraformaldehyde	Sigma	P-6148	Reagent grade, crystalline
Phosphate buffered saline (PBS)	Quality Biological	119-069-131	10x stock solution or made in lab
Triton X-100	Sigma	BP-151	10% solution in water, store at RT
Tween-20	Life Technologies	85113	10% solution in water, store at RT
Compound microscope	Nikon	E-600	Mount on vibration-free table
C1 Plus two-laser scanning confocal	Nikon	C1 Plus	Run by EZ-C1 program, but upgrades use "Elements"