

Materials List for:

Studying Wnt Signaling During Patterning of Conducting Airways

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Materials

Name	Company	Catalog Number	Comments
Anti Sox9 ab.	Millipore	AB5535	1:400 , rabbit
Anti Sox9 ab.	Santa Cruz	Sc-20095	1:50, rabbit
Anti Smooth Muscle Actin ab.	Sigma	A5228	1:2k, mouse
Anti NKX2.1 ab.	Seven Hills	n/a	1:100, guinea pig
Anti NKX2.1 ab.	Seven Hills	n/a	1:400, mouse
Anti Brdu ab.	Abcam	AB1893	1:200, sheep
Anti Brdu ab.	Santa Cruz	Sc-32323	1:4k, mouse
PNA Lectin	Sigma	L 7381	
Secondary antibodies	Life technologies		Alexa fluor Molecular probes
K ₃ Fe(CN) ₆	Sigma	P8131	
K ₄ Fe(CN) ₆	Sigma-Aldrich	P3289	
MgCl ₂	Sigma-Aldrich	M9272	
NaDOC	Life Technologies	89905	
NP ₄ O	Life Technologies	85124	
Alcian Blue 8GX	Sigma	A-3157	
Fisher brand super-frost plus	Fisher	12-550-15	
PFA (16%)	EMS	15710	
PBS	Gibco	70011-044	
Fetal Calf Serum	Sigma	11K413	
Blocking reagent	Invitrogen		Component of TSA kit #2 (T20932)
BrDu	Sigma	B5002-5g	
Vectashield mounting medium	Vector labs	H-1000	
Permunt	Fisher	SP15-500	
Tissue-loc cassettes Histoscreen	Fisher	C-0250-GR	
Biopsy cassettes	Premiere	BC0109	Available in different colors
Nuclear fast red Kernechtrot 0.1%	Sigma	N3020	
Citric acid	Sigma	C1909-500G	
Sodium citrate tribasic dihydrate	Sigma	S4641-1Kg	
Trizma hydrochloride	Sigma	T5941-500G	
Xylene	Pharmco-AAPER	399000000	
Ethanol	Pharmco-AAPER	111000200	
Micro knives	FST	10318-14	
Dumont #5 ceramic coated	FST	11252-50	

Dumont #5CO	FST	11295-20	
Dumont # 5	FST	91150-20	
Thermo/Shandon Excelsior ES	Thermo Fisher		
Microtome	Leica	RM2135	
Nikon i90	Nikon		Wide field microscope
NikonA1Rsi	Nikon		Confocal microscopy. Settings:NikonA1 plus camera, scanner: Galvano, detector:DU4. Optics Plan Apo lambda 10X. Modality: Widefield fluorescence laser confocal.
Leica MS 16 FA	Leica		Fluorescence Dissecting microscope
Zeiss	Zeiss		Automated fluorescence microscope
Leica Application suite	Leica		Leica imaging software
NIS	Nikon		Nikon imaging software
IMARIS	Bitplane		Imaging processing software