

产品名称: KIF7 Mouse Monoclonal Antibody
产品货号: AMM84937



产品概述 (Summary)

产品名称 (Production Name)	KIF7 Mouse Monoclonal Antibody
描述 (Description)	Mouse monoclonal Antibody
宿主 (Host)	Mouse
应用 (Application)	IHC, ICC
种属反应性 (Reactivity)	Human, Mouse, Rat

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	Mouse IgG1
克隆 (Clonality)	Monoclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Purified antibody in PBS with 0.05% sodium azide, 0.5% protective protein and 50% glycerol.
纯化方式 (Purification)	Affinity Purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	KIF7
别名 (Alternative Names)	kinesin like protein KIF7; EQYK340; kif7
基因 ID (Gene ID)	374654.0
蛋白 ID (SwissProt ID)	Q2M1P5.Synthetic Peptide of Kif 7

产品应用 (Application)

稀释比 (Dilution Ratio)	IHC 1:50-1:100, ICC 1:50-1:200
蛋白分子量 (Molecular Weight)	/

研究背景 (Background)

Essential for hedgehog signaling regulation: acts as both a negative and positive regulator of sonic hedgehog (Shh) and

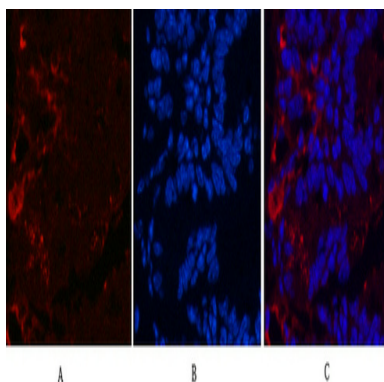
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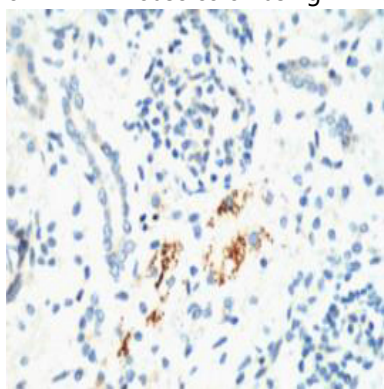
Indian hedgehog (Ihh) pathways, acting downstream of SMO, through both SUFU-dependent and -independent mechanisms (PubMed:21633164). Involved in the regulation of microtubular dynamics. Required for proper organization of the ciliary tip and control of ciliary localization of SUFU-GLI2 complexes . Required for localization of GLI3 to cilia in response to Shh. Negatively regulates Shh signaling by preventing inappropriate activation of the transcriptional activator GLI2 in the absence of ligand. Positively regulates Shh signaling by preventing the processing of the transcription factor GLI3 into its repressor form. In keratinocytes, promotes the dissociation of SUFU-GLI2 complexes, GLI2 nuclear translocation and Shh signaling activation . Involved in the regulation of epidermal differentiation and chondrocyte development .

研究领域 (Research Area)

图片 (Image Data)



Immunofluorescence analysis of KIF7 in mouse colon using KIF7 antibody(red),and DAPI (blue).



Immunohistochemistry analysis of paraffin-embedded mouse Kidney tissue using KIF7 antibody.High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.

注意事项 (Note)

For research use only .

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