

产品名称: Pax-2 Rabbit Polyclonal Antibody

产品货号: APRab15785

产品概述 (Summary)

描述(Description)	Rabbit polyclonal Antibody
宿主(Host)	Rabbit
应用(Application)	WB,IHC,ICC/IF,ELISA
种属反应(Reactivity)	Human,Mouse
偶联物(Conjugation)	Unconjugated
修饰(Modification)	Unmodified
同种型(Isotype)	IgG
克隆(Clonality)	Polyclonal
剂型(Form)	Liquid
保存条件(Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液(Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化 (Purification)	Affinity purification

产品应用(Application)

稀释比(Dilution Ratio)	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:5000-1:10000
分子量(Molecular Weight)	42,35kDa

抗原信息(Antigen Information)

基因名(Gene Name)	PAX2
别名(Alternative Names)	PAX2; Paired box protein Pax-2
基因 ID(Gene ID)	5076.0
SwissProt ID	Q02962
免疫原(Immunogen)	The antiserum was produced against synthesized peptide derived from human Pax-2. AA range:144-193

研究背景 (Background)

PAX2 encodes paired box gene 2, one of many human homologues of the Drosophila melanogaster gene prd. The central feature of this transcription factor gene family is the conserved DNA-binding paired box domain. PAX2 is believed to be a

target of transcriptional suppression by the tumor suppressor gene WT1. Mutations within PAX2 have been shown to result in optic nerve colobomas and renal hypoplasia. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Dec 2014],developmental stage:Mainly in fetal kidney and juvenile nephrogenic rests.,disease:Defects in PAX2 are the cause of renal-coloboma syndrome (RCS) [MIM:120330]; also known as papillorenal syndrome or optic nerve coloboma with renal disease. RCS is an autosomal dominant disease characterized by the association of renal hypoplasia, vesicoureteral reflux and dysplasia of the retina and optic disk.,disease:Defects in PAX2 may be responsible for isolated renal hypoplasia as observed in oligomeganephronia (OMN). OMN is a rare congenital and usually sporadic anomaly characterized by bilateral renal hypoplasia, with a reduced number of enlarged nephrons and without urinary tract abnormalities.,function:Probable transcription factor that may have a role in kidney cell differentiation. Has a critical role in the development of the urogenital tract, the eyes, and the CNS.,similarity:Contains 1 paired domain.,tissue specificity:Expressed in primitive cells of the kidney, ureter, eye, ear and central nervous system.,

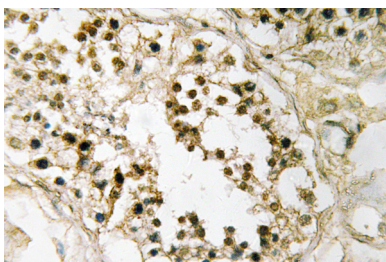
研究领域 (Research Area)

Domain Families; Developmental Families; PAX; Epigenetics and Nuclear Signaling; Transcription; Transcription Factors; Developmental Biology; Organogenesis; Excretory system development; Kidney development; Neuroscience; Cell Type Marker; Neural Stem Cell marker

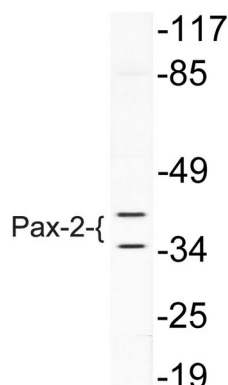
注意事项 (Note)

For research use only.

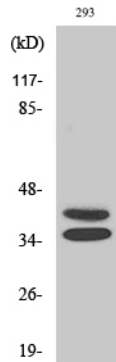
图片 (Image Data)



Immunohistochemistry analysis of Pax-2 antibody in paraffin-embedded human testis tissue.



Western blot analysis of lysate from 293 cells, using Pax-2 antibody.



Western Blot analysis of various cells using Pax-2 Polyclonal Antibody

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产品类别	产品货号	产品名称
WB 解决方案	RA10020	2h 极速 WB 即用型全流程试剂盒
	RA10021	4h 快速 WB 即用型全流程试剂盒
	RA10042	5h 畅享版 WB 全流程试剂盒
	RA10037	校准级彩色预染蛋白 Marker (8-180kDa)
	RA10038	校准级彩色预染蛋白 Marker (10-250kDa)
	RA10039	校准级高分子彩色预染蛋白 Marker (25-400kDa)
TSA 多重荧光染色试剂盒	RA10008	TSA 双标三色多重荧光染色试剂盒 (mIHC)
	RA10009	TSA 三标四色多重荧光染色试剂盒 (mIHC)
	RA10010	TSA 四标五色多重荧光染色试剂盒 (mIHC)
	RA10011	TSA 五标六色多重荧光染色试剂盒 (mIHC)
	RA10012	TSA 六标七色多重荧光染色试剂盒 (mIHC)
IHC 检测试剂盒	RA10006	HRP Anti-Mouse/Rabbit IHC Detection System
	RA10007	Polymer-HRP Anti-Mouse/Rabbit IHC Detection System
抗体标记试剂盒	RE80004p	辣根过氧化物酶(HRP)抗体标记试剂盒
	RE80002q	Sulfo-NHS-生物素标记试剂盒
	RE80007p	Cy3 荧光素标记试剂盒
	RE80011p	Fluor488 荧光素标记试剂盒
	RE80017p	Fluor750 荧光素标记试剂盒
	RE80005p	藻红蛋白(R-PE) 抗体快速标记试剂盒
	RE80040	PE-Cy7 串联染料抗体快速标记试剂盒
稳转细胞系构建服务 (免费赠送全膜 WB 验证)	TS-0001	过表达稳转细胞系构建
	TS-0002	敲低稳转细胞系构建
	TS-0003	敲除细胞系构建

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