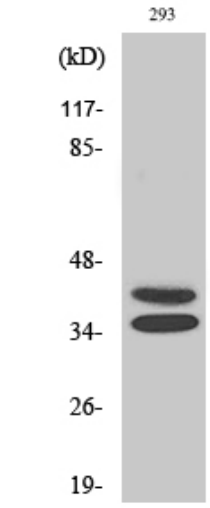
Pax-2 Polyclonal Antibody

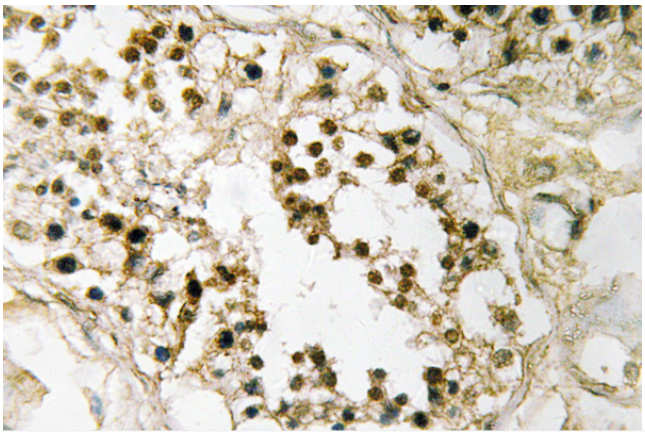
Catalog No	BYab-15792
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB;IHC;IF;ELISA
Gene Name	PAX2
Protein Name	Paired box protein Pax-2
Immunogen	The antiserum was produced against synthesized peptide derived from human Pax-2. AA range:144-193
Specificity	Pax-2 Polyclonal Antibody detects endogenous levels of Pax-2 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB: 1/500 - 1/2000. IHC: 1/100 - 1/300. ELISA: 1/5000.. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	PAX2; Paired box protein Pax-2
Observed Band	42,35kD
Cell Pathway	Nucleus.
Tissue Specificity	Expressed in primitive cells of the kidney, ureter, eye, ear and central nervous system.
Function	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 paire
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 supression 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],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

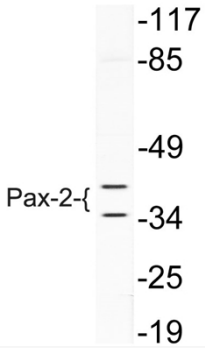
Products Images



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



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



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