



Anti-PAX2 (aa 194-303) polyclonal antibody (DPAB-DC2092)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	PAX2 encodes paired box gene 2, one of many human homologues of the <i>Drosophila melanogaster</i> gene <i>prd</i> . 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.
Immunogen	PAX2 (NP_000269, 194 a.a. ~ 303 a.a) partial recombinant protein with GST tag. The sequence is PRSNGEKRKRDEDVSEGSVPNGDSQSGVDSLRLKHLRADTFTQQQLEALDRVFERPSYPDV FQASEHIKSEQGNEYSLPALTPGLDEVKSSLSASTNPELGSNVSGTQTYP
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	PAX2 paired box 2 [Homo sapiens (human)]
Official Symbol	PAX2
Synonyms	PAX2; paired box 2; PAPRS; paired box protein Pax-2; paired box homeotic gene 2;
Entrez Gene ID	5076
Protein Refseq	NP_000269
UniProt ID	Q02962
Chromosome Location	10q24
Pathway	Id Signaling Pathway;
Function	C2H2 zinc finger domain binding; DNA binding; core promoter proximal region sequence-specific DNA binding; protein binding