



Human PAX2 peptide (DAG-P1020)

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

PRODUCT INFORMATION

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| Antigen Description | 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, Jul 2008] |
| Conjugate | Unconjugated |
| Format | Liquid |
| Preservative | None |
| Storage | Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request. |

GENE INFORMATION

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|------------------------|----------------------------------------------------------------------------------|
| 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 |
| mRNA Refseq | NM_000278.3 |
| Protein Refseq | NP_000269.2 |
| UniProt ID | Q02962 |

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| Chromosome Location | 10q24 |
| Pathway | Id Signaling Pathway, organism-specific biosystem; Wnt Signaling Pathway NetPath, organism-specific biosystem; |
| Function | C2H2 zinc finger domain binding; DNA binding; core promoter proximal region sequence-specific DNA binding; protein binding; superoxide-generating NADPH oxidase activity; transcription regulatory region DNA binding; |