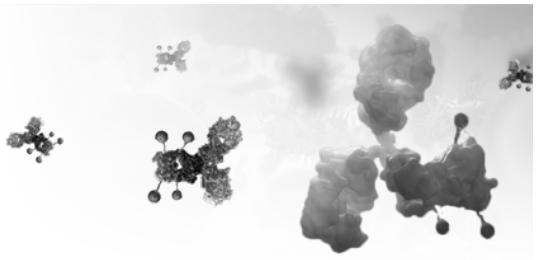

Human PAX6 blocking peptide (CDBP2209)

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

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-PAX6 (internal) antibody
Antigen Description	This gene encodes paired box gene 6, one of many human homologs of the Drosophila melanogaster gene prd. In addition to the hallmark feature of this gene family, a conserved paired box domain, the encoded protein also contains a homeo box domain. Both domains are known to bind DNA and function as regulators of gene transcription. This gene is expressed in the developing nervous system, and in developing eyes. Mutations in this gene are known to cause ocular disorders such as aniridia and Peter's anomaly. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, May 2012]
Species	Human
Conjugate	Unconjugated
Applications	Apuri, BL, ELISA
Format	Lyophilized powder
Size	100 µg
Preservative	None
Storage	Shipped at ambient temperature, store at -20°C.

GENE INFORMATION

Gene Name	PAX6 paired box 6 [Homo sapiens]
Official Symbol	PAX6

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Synonyms	PAX6; paired box 6; AN2, paired box gene 6 (aniridia, keratitis); paired box protein Pax-6; AN; aniridia; keratitis; D11S812E; WAGR; oculorhombin; aniridia type II protein; paired box homeotic gene-6; AN2; MGDA; MGC17209;
Entrez Gene ID	5080
mRNA Refseq	NM_000280
Protein Refseq	NP_000271
UniProt ID	P26367
Chromosome Location	11p13
Pathway	CDC42 signaling events, organism-specific biosystem; Developmental Biology, organism-specific biosystem; Incretin Synthesis, Secretion, and Inactivation, organism-specific biosystem; Integration of energy metabolism, organism-specific biosystem; Maturity onset diabetes of the young, organism-specific biosystem; Maturity onset diabetes of the young, conserved biosystem; Metabolism, organism-specific biosystem;
Function	DNA binding; R-SMAD binding; RNA polymerase II core promoter sequence-specific DNA binding; histone acetyltransferase binding; protein binding; protein kinase binding; sequence-specific DNA binding; sequence-specific DNA binding RNA polymerase II transcri

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