



Anti-PAX4 (aa 121-217) polyclonal antibody (DPAB-DC2094)

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

PRODUCT INFORMATION

Antigen Description	This gene is a member of the paired box (PAX) family of transcription factors. Members of this gene family typically contain a paired box domain, an octapeptide, and a paired-type homeodomain. These genes play critical roles during fetal development and cancer growth. The paired box 4 gene is involved in pancreatic islet development and mouse studies have demonstrated a role for this gene in differentiation of insulin-producing beta cells.
Immunogen	PAX4 (NP_006184, 121 a.a. ~ 217 a.a) partial recombinant protein with GST tag. The sequence is RALQEDQGLPCTRLRSPAVLAPAVLTPHSGSETPRGTHPGTGHRNRTIFSPSQAEALEKE FQRGQYPDSVARGKLATATSLPEDTVRVWFSNRRAKW
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	PAX4 paired box 4 [Homo sapiens (human)]
Official Symbol	PAX4
Synonyms	PAX4; paired box 4; KPD; MODY9; paired box protein Pax-4; paired box gene 4; paired domain gene 4;
Entrez Gene ID	5078
Protein Refseq	NP_006184
UniProt ID	O43316
Chromosome Location	7q32
Pathway	Developmental Biology; Maturity onset diabetes of the young; Regulation of gene expression in endocrine-committed (NEUROG3+) progenitor cells;
Function	DNA binding; double-stranded DNA binding; sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity
