



## Anti-PAX3 (aa 84-165) polyclonal antibody (DPAB-DC2093)

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

### PRODUCT INFORMATION

<b>Antigen Description</b>	This gene is a member of the paired box (PAX) family of transcription factors. Members of the PAX family typically contain a paired box domain and a paired-type homeodomain. These genes play critical roles during fetal development. Mutations in paired box gene 3 are associated with Waardenburg syndrome, craniofacial-deafness-hand syndrome, and alveolar rhabdomyosarcoma. The translocation t(2;13)(q35;q14), which represents a fusion between PAX3 and the forkhead gene, is a frequent finding in alveolar rhabdomyosarcoma. Alternative splicing results in transcripts encoding isoforms with different C-termini.
<b>Immunogen</b>	PAX3 (NP_000429, 84 a.a. ~ 165 a.a) partial recombinant protein with GST tag. The sequence is  SKILCRYQETGSIRPGAIIGGSKPQVTPDVEKKIEYKRENPGMFSWEIRDKLLDAVC DRNTVPSVSSISRILRSKFGKG
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB (Recombinant protein), ELISA,
<b>Size</b>	50 µl
<b>Buffer</b>	50 % glycerol
<b>Preservative</b>	None
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

### GENE INFORMATION

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<b>Gene Name</b>	<a href="#">PAX3 paired box 3 [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	PAX3
<b>Synonyms</b>	PAX3; paired box 3; WS1; WS3; CDHS; HUP2; paired box protein Pax-3; paired domain gene 3; paired domain gene HuP2; paired box homeotic gene 3;
<b>Entrez Gene ID</b>	<a href="#">5077</a>
<b>Protein Refseq</b>	<a href="#">NP_000429</a>
<b>UniProt ID</b>	<a href="#">P23760</a>
<b>Chromosome Location</b>	2q35
<b>Pathway</b>	Neural Crest Differentiation; Transcriptional misregulation in cancer;
<b>Function</b>	HMG box domain binding; RNA polymerase II distal enhancer sequence-specific DNA binding transcription factor activity; chromatin binding; protein binding

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