



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

Antigen Description	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.
Immunogen	PAX3 (NP_000429, 84 a.a. ~ 165 a.a) partial recombinant protein with GST tag. The sequence is SKILCRYQETGSIRPGAIGGSKPKQVTTDPVEKKIEEYKRENPGMFSWEIRDKLLKDAVC DRNTVPSVSSISRILRSKFGKG
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	PAX3 paired box 3 [Homo sapiens (human)]
Official Symbol	PAX3
Synonyms	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;
Entrez Gene ID	5077
Protein Refseq	NP_000429
UniProt ID	P23760
Chromosome Location	2q35
Pathway	Neural Crest Differentiation; Transcriptional misregulation in cancer;
Function	HMG box domain binding; RNA polymerase II distal enhancer sequence-specific DNA binding transcription factor activity; chromatin binding; protein binding