



Anti-HOXD8 (aa 126-190) polyclonal antibody (DPAB-DC1602)

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

PRODUCT INFORMATION

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| Antigen Description | This gene belongs to the homeobox family of genes. The homeobox genes encode a highly conserved family of transcription factors that play an important role in morphogenesis in all multicellular organisms. Mammals possess four similar homeobox gene clusters, HOXA, HOXB, HOXC and HOXD, located on different chromosomes, consisting of 9 to 11 genes arranged in tandem. This gene is one of several homeobox HOXD genes located in a cluster on chromosome 2. Deletions that remove the entire HOXD gene cluster or the 5 end of this cluster have been associated with severe limb and genital abnormalities. In addition to effects during embryogenesis, this particular gene may also play a role in adult urogenital tract function. Alternate splicing results in multiple transcript variants.[provided by RefSeq, Dec 2010] |
| Immunogen | HOXD8 (NP_062458, 126 a.a. ~ 190 a.a) partial recombinant protein with GST tag. The sequence is GIACHGEPAKFYGYDNLQRQPIFTTQQEALVQYPDCKSSSGNIGEDPDHLNQSSSPSQM FPWMR |
| 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

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| Gene Name | HOXD8 homeobox D8 [Homo sapiens (human)] |
| Official Symbol | HOXD8 |
| Synonyms | HOXD8; homeobox D8; HOX4; HOX4E; HOX5.4; homeobox protein Hox-D8; Hox-4.5; homeobox 4E; homeo box D8; homeobox protein 5.4; homeobox protein Hox-4E; homeobox protein Hox-5.4; |
| Entrez Gene ID | 3234 |
| Protein Refseq | NP_001186675 |
| UniProt ID | P13378 |
| Chromosome Location | 2q31.1 |
| Function | sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity; |