



Mouse anti-Human HOXD4 monoclonal antibody, clone 2I8 (CABT-B9453)

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

PRODUCT INFORMATION

Immunogen	HOXD4 (NP_055436.2, 1 a.a. ~ 62 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Isotype	IgG2a, κ
Source/Host	Mouse
Species Reactivity	Human
Clone	2I8
Purification	Protein A
Conjugate	Unconjugated
Applications	ELISA
Format	Liquid
Size	100 µg
Buffer	PBS, pH 7.4
Preservative	no preservative
Storage	-20°C, Avoid Freeze/Thaw Cycles

BACKGROUND

Introduction	This gene belongs to the homeobox family of genes. The homeobox genes encode a highly
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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 at 2q31-2q37 chromosome regions. Deletions that removed the entire HOXD gene cluster or 5 end of this cluster have been associated with severe limb and genital abnormalities. The protein encoded by this gene may play a role in determining positional values in developing limb buds. Alternatively spliced variants have been described but their full length nature has not been determined. [provided by RefSeq, Jul 2008]

Keywords	HOXD4; homeobox D4; HOX4; HOX4B; HHO.C13; HOX-5.1; Hox-4.2; homeobox protein Hox-D4; homeobox protein Hox-4B; homeobox protein HHO.C13; homeobox protein Hox-5.1; Hox-4.2, mouse, homolog of homeo box X;
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GENE INFORMATION

Entrez Gene ID [3233](#)

UniProt ID [P09016](#)