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HOXD13 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP11224C

Product Information

Application	WB, E
Primary Accession	P35453
Other Accession	P70217, NP_000514
Reactivity	Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB19191
Calculated MW	36101
Antigen Region	202-230

Additional Information

Gene ID	3239
Other Names	Homeobox protein Hox-D13, Homeobox protein Hox-4I, HOXD13, HOX4I
Target/Specificity	This HOXD13 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 202-230 amino acids from the Central region of human HOXD13.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.05% (V/V) Proclin 300. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	HOXD13 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	HOXD13
Synonyms	HOX4I
Function	Sequence-specific transcription factor that binds gene promoters and activates their transcription (PubMed:24789103). Part of a developmental

regulatory system that provides cells with specific positional identities on the anterior-posterior axis (By similarity).

Cellular Location Nucleus.

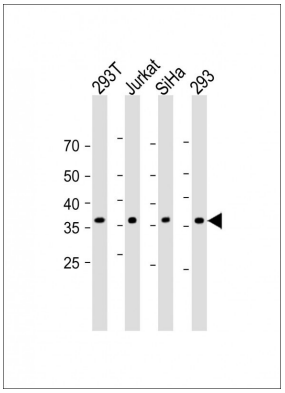
Background

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. Mutations in this particular gene cause synpolydactyly.

References

Sugie, Y., et al. Brain Dev. 32(5):356-361(2010)
Yerges, L.M., et al. J. Bone Miner. Res. 24(12):2039-2049(2009)
Salsi, V., et al. Mol. Cell. Biol. 29(21):5775-5788(2009)
Cantile, M., et al. Int. J. Cancer 125(7):1532-1541(2009)
Wajid, M., et al. Clin. Genet. 76(3):300-302(2009)

Images



All lanes: Anti-HOXD13 Antibody (Center) at 1:1000 dilution Lane 1: 293T whole cell lysate Lane 2: Jurkat whole cell lysate Lane 3: SiHa whole cell lysate Lane 4: 293 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary: Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (ASP1615) at 1/15000 dilution. Observed band size: 36 KDa Blocking/Dilution buffer: 5% NFDM/TBST.