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DLX5 Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51165

Product Information

Application	WB, IP, ICC, IHC-P
Primary Accession	P56178
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	31540

Additional Information

Gene ID	1749
Other Names	Homeobox protein DLX-5, DLX5
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human DLX5. The exact sequence is proprietary.
Dilution	WB~~1:1000 IP~~N/A ICC~~N/A IHC-P~~N/A
Format	0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

Name	DLX5
Function	Transcriptional factor involved in bone development. Acts as an immediate early BMP-responsive transcriptional activator essential for osteoblast differentiation. Stimulates ALPL promoter activity in a RUNX2-independent manner during osteoblast differentiation. Stimulates SP7 promoter activity during osteoblast differentiation. Promotes cell proliferation by up-regulating MYC promoter activity. Involved as a positive regulator of both chondrogenesis and chondrocyte hypertrophy in the endochondral skeleton. Binds to the homeodomain-response element of the ALPL and SP7 promoter. Binds to the MYC promoter. Requires the 5'-TAATTA-3' consensus sequence for DNA-binding.
Cellular Location	Nucleus {ECO:0000255|PROSITE-ProRule:PRU00108}.

Background

Transcriptional factor involved in bone development. Acts as an immediate early BMP-responsive transcriptional activator essential for osteoblast differentiation. Stimulates ALPL promoter activity in a RUNX2-independent manner during osteoblast differentiation. Stimulates SP7 promoter activity during osteoblast differentiation. Promotes cell proliferation by up-regulating MYC promoter activity. Involved as a positive regulator of both chondrogenesis and chondrocyte hypertrophy in the endochondral skeleton. Binds to the homeodomain-response element of the ALPL and SP7 promoter. Binds to the MYC promoter. Requires the 5'-TAATTA-3' consensus sequence for DNA-binding.

References

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