

DLX5 Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51165

Specification

DLX5 Antibody - Product Information

Application	WB, IP, ICC, IHC-P, E
Primary Accession	P56178
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	32 KDa

DLX5 Antibody - Additional Information

Gene ID 1749

Other Names

Homeobox protein DLX-5, DLX5

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

DLX5 Antibody - 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}.

DLX5 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

DLX5 Antibody - Images

DLX5 Antibody - 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.

DLX5 Antibody - References

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Hillier L.W., et al. Nature 424:157-164(2003).
Simeone A., et al. Proc. Natl. Acad. Sci. U.S.A. 91:2250-2254(1994).
Willis D.M., et al. J. Biol. Chem. 277:37280-37291(2002).
Xu J., et al. J. Biol. Chem. 284:20593-20601(2009).