

DLX5 Antibody

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP51165

Specification

DLX5 Antibody - Product Information

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

DLX5 Antibody - Additional Information

Gene ID 1749

Other Names Homeobox protein DLX-5, DLX5

Dilution WB~~1:1000 IP~~N/A ICC~~N/A IHC-P~~N/A E~~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

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 Cytomety
- <u>Cell Culture</u>

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

Ota T.,et al.Nat. Genet. 36:40-45(2004). 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).