

**DLX5 Antibody (Internal)**  
**Goat Polyclonal Antibody**  
**Catalog # ALS14585****Specification**

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**DLX5 Antibody (Internal) - Product Information**

Application	WB
Primary Accession	<a href="#">P56178</a>
Reactivity	Human
Host	Goat
Clonality	Polyclonal
Calculated MW	32kDa KDa

**DLX5 Antibody (Internal) - Additional Information****Gene ID** 1749**Other Names**

Homeobox protein DLX-5, DLX5

**Target/Specificity**

Human DLX5.

**Reconstitution & Storage**

Store at -20°C. Minimize freezing and thawing.

**Precautions**

DLX5 Antibody (Internal) is for research use only and not for use in diagnostic or therapeutic procedures.

**DLX5 Antibody (Internal) - 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}.

**Volume**

50 µl

### DLX5 Antibody (Internal) - 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 (Internal) - Images



DLX5 antibody (1 ug/ml) staining of Human Bone Marrow lysate (35 ug protein/ml in RIPA buffer).

### DLX5 Antibody (Internal) - Background

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### DLX5 Antibody (Internal) - 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).