

DLX5 Antibody (Internal)

Goat Polyclonal Antibody Catalog # ALS14585

Specification

DLX5 Antibody (Internal) - Product Information

Application WB
Primary Accession P56178
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



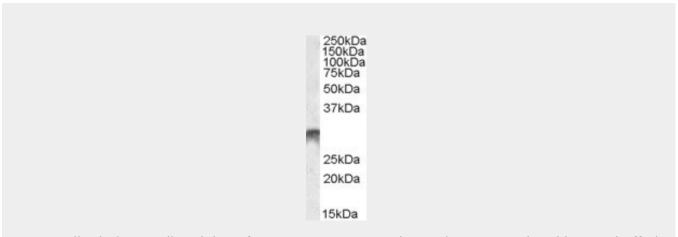
50 μl

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 Cytomety
- 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).