

Dlx5 Antibody

Rabbit mAb Catalog # AP92140

Product Information

Application WB, IHC, IF, ICC, IP, IHF

Primary Accession P56178

Reactivity Rat, Human, Mouse

Clonality Monoclonal

Other Names Distal less homeo box 5; Dlx 5; Homeo box protein DLX 5;

IsotypeRabbit IgGHostRabbitCalculated MW31540

Additional Information

Dilution WB 1:500~1:2000 IHC 1:100~1:500 ICC/IF 1:100~1:500 IP 1:50

Purification Affinity-chromatography

Immunogen A synthesized peptide derived from human Dlx5

Description 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.

Storage Condition and Buffer Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium

azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term.

Avoid freeze / thaw cycle.

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

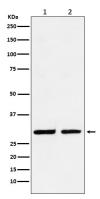
MYC promoter activity. Involved as a positive regulator of both

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}.

Images



Western blot analysis of Dlx5 expression in (1) HeLa cell lysate; (2) RAW264.7 cell lysate.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.