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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;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	31540

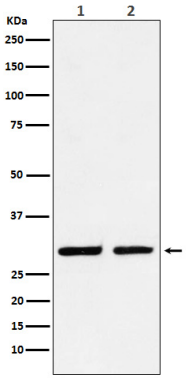
Additional Information

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.