10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

DLX5 Antibody (monoclonal) (M07)

Mouse monoclonal antibody raised against a partial recombinant DLX5.
Catalog # AT1782a

Product Information

Application	IF, E
Primary Accession	P56178
Other Accession	NM_005221
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	4H6
Calculated MW	31540

Additional Information

Gene ID	1749
Other Names	Homeobox protein DLX-5, DLX5
Target/Specificity	DLX5 (NP_005212, 1 a.a. ~ 110 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	IF~~1:50~200 E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	DLX5 Antibody (monoclonal) (M07) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

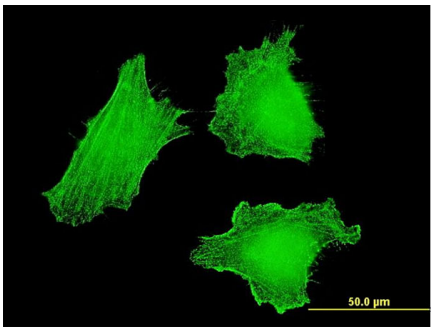
This gene encodes a member of a homeobox transcription factor gene family similiar to the Drosophila distal-less gene. The encoded protein may play a role in bone development and fracture healing. Mutation in this gene, which is located in a tail-to-tail configuration with another member of the family on the long arm of chromosome 7, may be associated with split-hand/split-foot malformation.

References

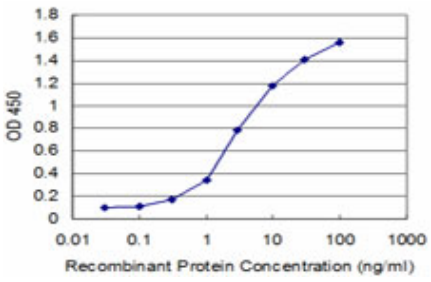
Maternal genes and facial clefts in offspring: a comprehensive search for genetic associations in two population-based cleft studies from Scandinavia. Jugessur A, et al. PLoS One, 2010 Jul 9. PMID 20634891.DLX5 (distal-less homeobox 5) promotes tumor cell proliferation by transcriptionally regulating

MYC. Xu J, et al. J Biol Chem, 2009 Jul 31. PMID 19497851.High-density association study of 383 candidate genes for volumetric BMD at the femoral neck and lumbar spine among older men. Yerges LM, et al. J Bone Miner Res, 2009 Dec. PMID 19453261.Expression analysis and mutation detection of DLX5 and DLX6 in autism. Nakashima N, et al. Brain Dev, 2010 Feb. PMID 19195802.Activation of placenta-specific transcription factor distal-less homeobox 5 predicts clinical outcome in primary lung cancer patients. Kato T, et al. Clin Cancer Res, 2008 Apr 15. PMID 18413826.

Images



Immunofluorescence of monoclonal antibody to DLX5 on HeLa cell . [antibody concentration 10 ug/ml]



Detection limit for recombinant GST tagged DLX5 is approximately 0.3ng/ml as a capture antibody.

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