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DLX1 Antibody (monoclonal) (M02)

Mouse monoclonal antibody raised against a partial recombinant DLX1.
Catalog # AT1775a

Product Information

Application	WB, E
Primary Accession	P56177
Other Accession	NM_178120
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	3C7
Calculated MW	27320

Additional Information

Gene ID	1745
Other Names	Homeobox protein DLX-1, DLX1
Target/Specificity	DLX1 (NP_835221, 152 a.a. ~ 255 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 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	DLX1 Antibody (monoclonal) (M02) is for research use only and not for use in diagnostic or therapeutic procedures.

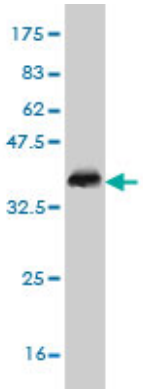
Background

This gene encodes a member of a homeobox transcription factor gene family similiar to the Drosophila distal-less gene. The encoded protein is localized to the nucleus where it may function as a transcriptional regulator of signals from multiple TGF-{beta} superfamily members. The encoded protein may play a role in the control of craniofacial patterning and the differentiation and survival of inhibitory neurons in the forebrain. This gene is located in a tail-to-tail configuration with another member of the family on the long arm of chromosome 2. Alternatively spliced transcript variants encoding different isoforms have been described.

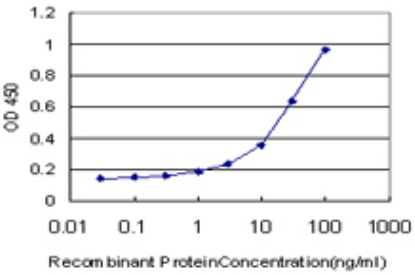
References

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.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.A common variant in DRD3 receptor is associated with autism spectrum disorder. de Krom M, et al. Biol Psychiatry, 2009 Apr 1. PMID 19058789.The DLX1and DLX2 genes and susceptibility to autism spectrum disorders. Liu X, et al. Eur J Hum Genet, 2009 Feb. PMID 18728693.Association analysis of schizophrenia on 18 genes involved in neuronal migration: MDGA1 as a new susceptibility gene. K?hler AK, et al. Am J Med Genet B Neuropsychiatr Genet, 2008 Oct 5. PMID 18384059.

Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (37.55 KDa) .



Detection limit for recombinant GST tagged DLX1 is approximately 1ng/ml as a capture antibody.