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DYM Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant DYM.
Catalog # AT1833a

Product Information

Application	E
Primary Accession	Q7RTS9
Other Accession	NM_017653
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG1 Kappa
Clone Names	1C2
Calculated MW	75935

Additional Information

Gene ID	54808
Other Names	Dymeclin, Dyggve-Melchior-Clausen syndrome protein, DYM
Target/Specificity	DYM (NP_060123, 343 a.a. ~ 430 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	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	DYM Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

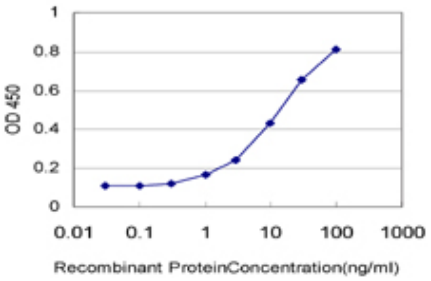
This gene encodes a protein which is necessary for normal skeletal development and brain function. Mutations in this gene are associated with two types of recessive osteochondrodysplasia, Dyggve-Melchior-Clausen (DMC) dysplasia and Smith-McCort (SMC) dysplasia, which involve both skeletal defects and mental retardation.

References

An association study between the dymeclin gene and schizophrenia in the Japanese population. Yazaki S, et al. J Hum Genet, 2010 Sep. PMID 20555340.The role of height-associated loci identified in genome wide association studies in the determination of pediatric stature. Zhao J, et al. BMC Med Genet, 2010 Jun 14.

PMID 20546612.Personalized smoking cessation: interactions between nicotine dose, dependence and quit-success genotype score. Rose JE, et al. Mol Med, 2010 Jul-Aug. PMID 20379614.The gene responsible for Dyggve-Melchior-Clausen syndrome encodes a novel peripheral membrane protein dynamically associated with the Golgi apparatus. Dimitrov A, et al. Hum Mol Genet, 2009 Feb 1. PMID 18996921.Genome-wide association analysis identifies 20 loci that influence adult height. Weedon MN, et al. Nat Genet, 2008 May. PMID 18391952.

Images



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