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HOXB9 Antibody (monoclonal) (M06)

Mouse monoclonal antibody raised against a full-length recombinant HOXB9.
Catalog # AT2415a

Product Information

Application	WB, E
Primary Accession	P17482
Other Accession	NM_024017
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	2E10
Calculated MW	28059

Additional Information

Gene ID	3219
Other Names	Homeobox protein Hox-B9, Homeobox protein Hox-25, Homeobox protein Hox-2E, HOXB9, HOX2E
Target/Specificity	HOXB9 (NP_076922.1, 65 a.a. ~ 163 a.a) full-length 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	HOXB9 Antibody (monoclonal) (M06) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

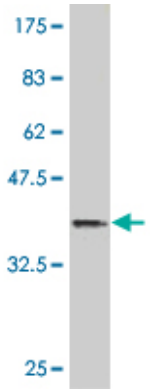
This gene is a member of the Abd-B homeobox family and encodes a protein with a homeobox DNA-binding domain. It is included in a cluster of homeobox B genes located on chromosome 17. The encoded nuclear protein functions as a sequence-specific transcription factor that is involved in cell proliferation and differentiation. Increased expression of this gene is associated with some cases of leukemia, prostate cancer and lung cancer.

References

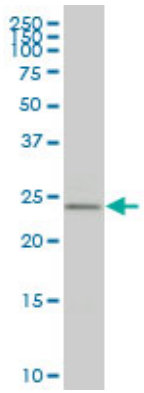
HOXB9, a gene overexpressed in breast cancer, promotes tumorigenicity and lung metastasis. Hayashida T,

et al. Proc Natl Acad Sci U S A, 2010 Jan 19. PMID 20080567.A genome-wide study of common SNPs and CNVs in cognitive performance in the CANTAB. Need AC, et al. Hum Mol Genet, 2009 Dec 1. PMID 19734545.WNT/TCF signaling through LEF1 and HOXB9 mediates lung adenocarcinoma metastasis. Nguyen DX, et al. Cell, 2009 Jul 10. PMID 19576624.Do HOXB9 and COL1A1 genes play a role in congenital dislocation of the hip? Study in a Caucasian population. Rouault K, et al. Osteoarthritis Cartilage, 2009 Aug. PMID 19341834.An empirical framework for binary interactome mapping. Venkatesan K, et al. Nat Methods, 2009 Jan. PMID 19060904.

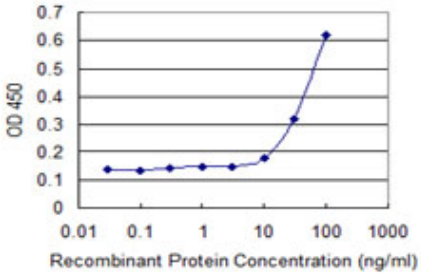
Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (36.52 KDa) .



HOXB9 monoclonal antibody (M06), clone 2E9 Western Blot analysis of HOXB9 expression in 293 ((Cat # AT2415a)



Detection limit for recombinant GST tagged HOXB9 is 3 ng/ml as a capture antibody.

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