

HOXB9 Antibody (monoclonal) (M06)**Mouse monoclonal antibody raised against a full-length recombinant HOXB9.****Catalog # AT2415a****Specification**

HOXB9 Antibody (monoclonal) (M06) - Product Information

Application	WB, E
Primary Accession	P17482
Other Accession	NM_024017
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG2a Kappa
Calculated MW	28059

HOXB9 Antibody (monoclonal) (M06) - 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

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.

HOXB9 Antibody (monoclonal) (M06) - Protocols

Provided below are standard protocols that you may find useful for product applications.

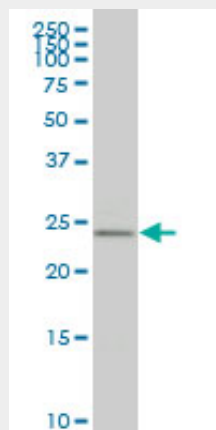
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)

- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

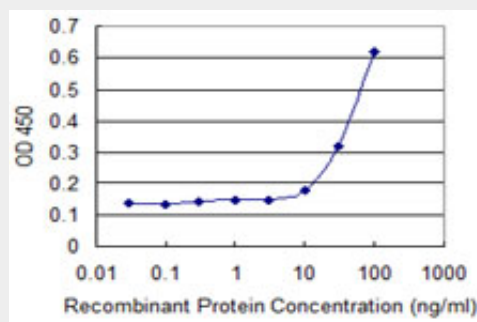
HOXB9 Antibody (monoclonal) (M06) - Images



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.

HOXB9 Antibody (monoclonal) (M06) - 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.

HOXB9 Antibody (monoclonal) (M06) - 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.