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# HOXD9 Antibody (monoclonal) (M01)

**Mouse monoclonal antibody raised against a partial recombinant HOXD9.**
**Catalog # AT2431a**

## Specification

### HOXD9 Antibody (monoclonal) (M01) - Product Information

| | |
|---|---|
| Application | **WB** |
| Primary Accession | P28356 |
| Other Accession | NM_014213 |
| Reactivity | **Human, Mouse** |
| Host | **mouse** |
| Clonality | **Monoclonal** |
| Isotype | **IgG1 Kappa** |
| Calculated MW | **36495** |

### HOXD9 Antibody (monoclonal) (M01) - Additional Information

**Gene ID** 3235

**Other Names**
Homeobox protein Hox-D9, Homeobox protein Hox-4C, Homeobox protein Hox-52, HOXD9, HOX4C

**Target/Specificity**
HOXD9 (NP_055028, 146 a.a. ~ 210 a.a) partial 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**
HOXD9 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

### HOXD9 Antibody (monoclonal) (M01) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry

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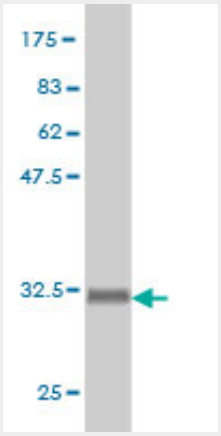
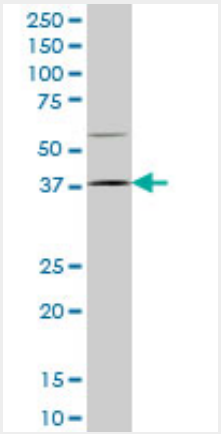
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

**HOXD9 Antibody (monoclonal) (M01) - Images**




Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (33.15 KDa) .




HOXD9 monoclonal antibody (M01), clone 2A9 Western Blot analysis of HOXD9 expression in NIH/3T3 ( (Cat # AT2431a )

**HOXD9 Antibody (monoclonal) (M01) - Background**

This gene belongs to the homeobox family of genes. The homeobox genes encode a highly conserved family of transcription factors that play an important role in morphogenesis in all multicellular organisms. Mammals possess four similar homeobox gene clusters, HOXA, HOXB, HOXC and HOXD, located on different chromosomes, consisting of 9 to 11 genes arranged in tandem. This gene is one of several homeobox HOXD genes located at 2q31-2q37 chromosome regions. Deletions that removed the entire HOXD gene cluster or 5' end of this cluster have been associated with severe limb and genital abnormalities. The exact role of this gene has not been determined.

**HOXD9 Antibody (monoclonal) (M01) - References**

Altered transmission of HOX and apoptotic SNPs identify a potential common pathway for clubfoot. Ester AR, et al. Am J Med Genet A, 2009 Dec. PMID 19938081.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.Mutations in HOXD13 underlie syndactyly type V and a novel brachydactyly-syndactyly syndrome. Zhao X, et al. Am J Hum Genet, 2007 Feb. PMID 17236141.Immunocytochemical detection of HoxD9 and Pbx1 homeodomain protein expression in Chinese esophageal squamous cell carcinomas. Liu DB, et al. World J Gastroenterol, 2005 Mar 14. PMID 15770739.[Increased expression of HOXA9 gene in Hirschsprung disease] M?chine-Neuville A, et al. Gastroenterol Clin Biol, 2002 Dec. PMID 12520199.