

## HOXA3 mouse monoclonal antibody

Catalog: MB4042

Host: Mouse

Reactivity: Human, Mouse, Rat

### BackGround:

Homeobox protein Hox-D9 (HOXD9) is a sequence-specific transcription factor that is part of a developmental regulatory program that provides cells with specific positional identities on the anterior-posterior axis. HOXD9 is developmentally expressed in structures of either mesodermal or neuro-ectodermal origin, such as developing limbs, gonads, and the central nervous system (1-6). HOXD9 plays a critical role in regulation of limb development, neuronal development, and development of mammary glands and gonads in many organisms (1-6). The HOXD9 gene promoter is found to be hypermethylated and silenced in multiple types of cancer, including breast cancer, melanoma brain metastases, and cholangiocarcinomas (7-9). In addition, HOXD9 expression is increased in other types of cancer, including human glioblastomas and astrocytomas, where expression appears to drive growth of the tumors (10).

### Product:

1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

### Molecular Weight:

~ 46 kDa

### Swiss-Prot:

O43365

### Purification&Purity:

The antibody was affinity-purified from mouse ascites fluids or tissue culture supernatant by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB 1:500~2000

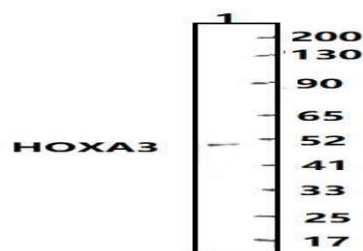
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Isotype:

IgG1

### DATA:



Western blot (WB) analysis of HOXA3 mouse monoclonal antibody at 1:500 dilution

Lane1:HepG2 whole cell lysate(30ug)

### Note:

For research use only, not for use in diagnostic procedure.

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