CDX2 monoclonal antibody

Catalog: MB65902 Host: Mouse Reactivity: Human, Mouse, Rat

BackGround:

CDX2, a homeobox domain-containing transcription factor, is a master regulator of the trophectoderm, the layer that gives rise to extra-embryonic tissues in mammalian development. CDX2 is also involved in intestinal development, and gain of expression or loss of expression has been associated with various human malignancies, such as Barrett's esophagus and colorectal cancer. Mouse embryonic stem cells deficient in CDX2 display limited hematopoietic progenitor development and altered Hox gene expression, pointing to a role for CDX2 in Hox gene regulation. CDX2 is also implicated in the aberrant expression of Hox genes in human AML cell lines.

Product:

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.

Molecular Weight:

~ 40 kDa

Swiss-Prot:

Q99626

Purification&Purity:

The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB (1/1000 - 1/2000), IHC (1/100 - 1/200)

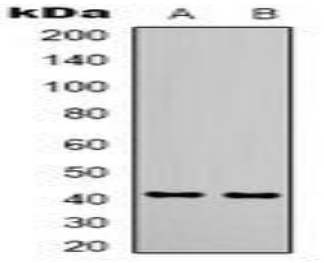
Storage&Stability:

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

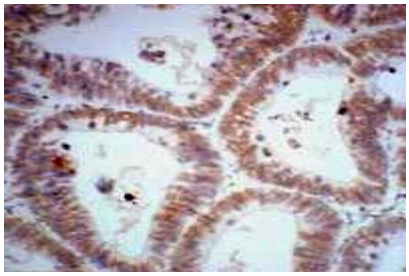
Specificity:

Recognizes endogenous levels of CDX2 protein.

DATA:



Western blot analysis of CDX2 expression in 293T (A), mouse heart (B) whole cell lysates.



Immunohistochemical analysis of CDX2 staining in human rectal cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

Note:

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

Bioworld Technology, Inc.
Add: 1660 South Highway 100, Suite 500 St. Louis Park, MN 55416,USA.
Email: info@bioworlde.com
Tel: 6123263284
Fax: 6122933841

Bioworld technology, co. Ltd.
Add: No 9, weidi road Qixia District Nanjing, 210046, P. R. China.
Email: info@biogot.com
Tel: 0086-025-68037686
Fax: 0086-025-68035151