

ALDH1A1 monoclonal antibody

Catalog: MB22358

Host: Mouse

Reactivity: Human

BackGround:

The protein encoded by this gene belongs to the aldehyde dehydrogenase family. Aldehyde dehydrogenase is the next enzyme after alcohol dehydrogenase in the major pathway of alcohol metabolism. There are two major aldehyde dehydrogenase isozymes in the liver, cytosolic and mitochondrial, which are encoded by distinct genes, and can be distinguished by their electrophoretic mobility, kinetic properties, and subcellular localization. This gene encodes the cytosolic isozyme. Studies in mice show that through its role in retinol metabolism, this gene may also be involved in the regulation of the metabolic responses to high-fat diet.

Product:

Purified antibody in PBS with 0.05% sodium azide

Molecular Weight:

54.9kDa

Swiss-Prot:

P00352

Purification&Purity:

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

Applications:

WB:1/500 - 1/2000 IHC:1/200 - 1/1000 FC:1/200 - 1/400

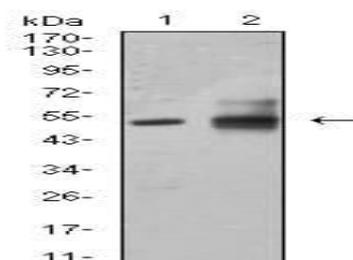
Storage&Stability:

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

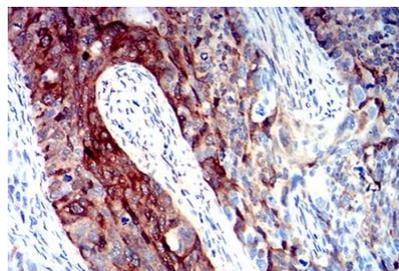
Isotype:

Mouse IgG1

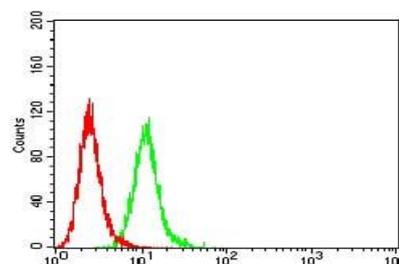
DATA:



Western blot analysis using ALDH1A1 mouse mAb against HepG2 (1) and A549 (2) cell lysate.



Immunohistochemical analysis of paraffin-embedded human cervical cancer tissues using ALDH1A1 mouse mAb with DAB staining.



Flow cytometric analysis of HeLa cells using ALDH1A1 mouse mAb (green) and negative control (red).

Note:

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

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