

ALDOA monoclonal antibody

Catalog: MB22405

Host: Mouse

Reactivity: Human, Mouse

BackGround:

The protein encoded by this gene, Aldolase A (fructose-bisphosphate aldolase), is a glycolytic enzyme that catalyzes the reversible conversion of fructose-1,6-bisphosphate to glyceraldehyde 3-phosphate and dihydroxyacetone phosphate. Three aldolase isozymes (A, B, and C), encoded by three different genes, are differentially expressed during development. Aldolase A is found in the developing embryo and is produced in even greater amounts in adult muscle. Aldolase A expression is repressed in adult liver, kidney and intestine and similar to aldolase C levels in brain and other nervous tissue. Aldolase A deficiency has been associated with myopathy and hemolytic anemia. Alternative splicing and alternative promoter usage results in multiple transcript variants. Related pseudogenes have been identified on chromosomes 3 and 10.

Product:

Purified antibody in PBS with 0.05% sodium azide

Molecular Weight:

39.4kDa

Swiss-Prot:

P04075

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

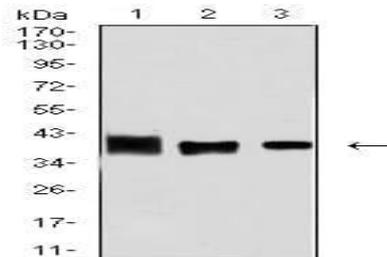
Storage&Stability:

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

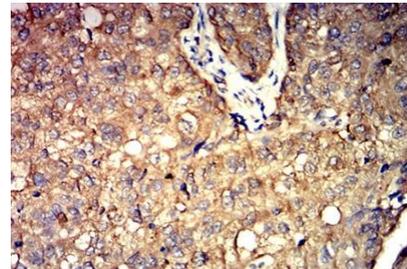
Isotype:

Mouse IgG2a

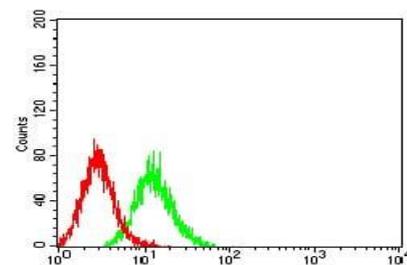
DATA:



Western blot analysis using ALDOA mouse mAb against MCF-7 (1), HeLa (2), and NIH/3T3 (3) cell lysate.



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



Flow cytometric analysis of K562 cells using ALDOA mouse mAb (green) and negative control (red).

Note:

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

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