

ALDOC polyclonal antibody

Catalog: BS61191

Host: Rabbit

Reactivity: Human, Mouse, Rat

Background:

Fructose 1,6-bisphosphate aldolase catalyses the reversible condensation of glycero-P and glyceraldehyde 3-phosphate into fructose 1,6-bisphosphate. Fructose 1,6-bisphosphate aldolase exists as three forms, the muscle-specific Aldolase A, the liver-specific aldolase B, and the brain-specific aldolase C. Aldolase A, B, and C arose from a common ancestral gene, from which aldolase B first diverged. Aldolase A is one of the most highly conserved enzymes known, with only about 2% of the residues changing per 100 million years. Aldolase B is regulated by the hormones insulin and glucagon and has been implicated in hereditary fructose intolerance disease. Aldolase C is a polypeptide that is exclusively expressed in Purkinje cells. Aldolase C-positive Purkinje cells are organized in the cerebellum as stripes or bands that run from anterior to posterior across the cerebellum and alternate with bands of Aldolase C-negative Purkinje cells.

Product:

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

Molecular Weight:

~ 39 kDa

Swiss-Prot:

P09972

Purification&Purity:

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

Applications:

WB: 1:500~1:1000

IHC: 1:50~1:200

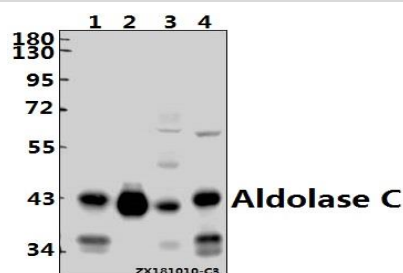
Storage&Stability:

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

Specificity:

ALDOC polyclonal antibody detects endogenous levels of ALDOC protein.

DATA:



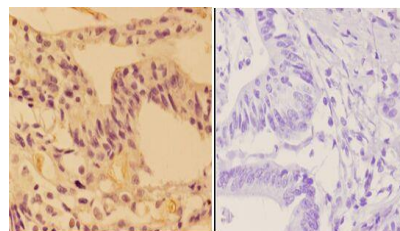
Western blot (WB) analysis of Aldolase C (F94) pAb at 1:500 dilution

Lane1:HCT116 whole cell lysate(40ug)

Lane2:The Brain tissue lysate of Mouse(10ug)

Lane3:The Testis tissue lysate of Rat(40ug)

Lane4:K562 whole cell lysate(40ug)



Immunohistochemistry (IHC) analyzes of ALDOC pAb in paraf-

fin-embedded human colon carcinoma tissue at 1:50, showing cytoplasm staining. Negative control (the right) Using PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG-biotin followed by avidin-peroxidase.

Note:

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

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